



*Eleazar Vasquez III*

*Curriculum Vitae*

Director and Professor

Toni Jennings Exceptional Education Institute

Exceptional Education Program

University of Central Florida

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TJEEI website: <http://tjeei.ucf.edu>

Faculty Profile: [goo.gl/m8QMBS](http://goo.gl/m8QMBS)

**Vita-At-A-Glance**

- Ph.D. Disability Disciplines (2008). Utah State University, Logan, UT
- 12+ million in continuously **Funded Project** experience
- 50+ **peer-reviewed publications** published
- 11 Years university **teaching experience** at UCF
- 60+ **presentations** internationally, nationally, and statewide
- National and International Service with HECSE, TED, and CAST
- Administrative Experience Directing TJEEI

**Education**

Ph.D. in Disability Disciplines, 2008  
Focus: Behavior Analysis and Special Education  
Utah State University: Logan, UT

Masters of Arts in School and Behavioral Psychology, 2003  
Stephen F. Austin State University: Nacogdoches, TX

Bachelor of Science, 2000  
Stephen F. Austin State University: Nacogdoches, TX  
College of Education

**Employment History**

- 2020-Present **Professor** Exceptional Student Education University of Central Florida
- 2017-Present **Director** Toni Jennings Exceptional Education Institute and School of  
Teacher Education, Exceptional Education Program Ph.D. Co-Coordinator
- Joint Appointment Learning Science Cluster
  - Affiliate Faculty Lockheed Martin UCF Academy
  - Affiliate Faculty SREAL synthetic reality lab
  - iSTEM Fellow
- 2014-2019 **Associate Professor** Exceptional Student Education University of Central  
Florida
- 2008 **Assistant Professor** Exceptional Student Education University of Central  
Florida

- 2005      **Doctoral Fellow** Department of Special Education and rehabilitation, Utah State University
- 2003      **Special Education Coordinator K-12** (school psychologist)  
Supervisor: Stephanie Blank
- 2002      **School Psychologist Intern**  
Supervisor: Chris Ninness
- 2001      **Graduate Assistant**  
Supervisor: Chris Ninnes
- 2000      **Assistive Technologist** for K-12 students with disabilities
- 1999      **Public School Teacher: 3-7<sup>th</sup>** grade Resource Math

### **Certifications**

- 2005-Present    Board Certified Behavior Analyst-Doctoral (BCBA-D)  
Certificate number 1-09-5085
- 2008-Present    Graduate Faculty Member at the University of Central Florida
- Expired          Texas K-12 Special Education and General Education Certification
- Expired          Texas Licensed Specialist in School Psychology

### **Professional Honors, and Awards**

- 2016              UCF Research Incentive Award (RIA)
- 2016              UCF Excellence in Research Award College of Education and Human Performance
- 2015-2016        Provost Academic Leadership Program UCF
- 2015              Scholarship of Teaching and Learning (SoTL) Award
- 2015-2016        Lead Scholar of the iSTEM Fellowship at the University of Central Florida
- 2014-2015        Inaugural iSTEM Fellowship at the University of Central Florida
- 2014              Inaugural Reach for The Stars Award Recipient
- 2013              UCF Teaching Incentive Program (TIP) Award
- 2012-2013        UCF Fellows of the Academy for Teaching, Learning, and Leadership, University of Central Florida
- 2010-Present    Affiliate Faculty Lockheed Martin UCF Academy
- 2008              Dissertation Research Proposal Award from the American Council on Rural Special Education (ACRES)
- 2004-2008        Doctoral Fellowship from the Office of Special Education at Utah State University

## RESEARCH AND SCHOLARLY ACTIVITIES

### RESEARCH FOCUS

The nexus of my research is evaluating the impact of innovative technologies on academic and behavioral outcomes for individuals with disabilities in STEM content areas.

### Invention Patents, Disclosures and Trademarks

Dieker, L., Hughes, C., Hynes, M., **Vasquez, E.**, Ingraham, K., Donehower, C. L., Bousfield, T., 2085.82. *PCR: Avatar-based training for Executive Functioning Autism (UCF 34217)*. Filed June 4, 2019 SN# 62/856,980.

Matthew T. Marino, **Eleazar Vasquez III**, Darin E. Hughes, and Marc H. Zimmerman *Systems and Methods for Career Preference Assessments* filed November 21, 2013 SN# 61/907289. This patent proposal includes 16 unique inventions that will improve career selection, performance, assessment, and satisfaction for people who have difficulty with social engagement, physical activities, or intellectual processing.

Darin E. Hughes and **Eleazar Vasquez III** *Wubees*: A cross platform mobile video game to help train perspective-taking and empathy for children with autism. This application includes a unique intervention empirically proven to increase skills at the Pre-K-8 grade level.

<https://youtu.be/M7qbHA6db50>

### Publications in National & International Refereed Journals

\* *Denotes student collaboration on scholarly publications*

+ *Denotes corresponding author*

\*+Schreffler, J., **Vasquez, E.**, Chini, J., James, W. (2019). Universal Design for Learning in postsecondary STEM education for students with disabilities: A systematic literature review. *International Journal of STEM Education* 6(1), 8

\*Mrstik, S., Pearl, C., Hopkins, R., **Vasquez, E.**, & Marino, M. T. (2019). Combatting special educator attrition: Mentor teachers' perceptions of job satisfaction, resiliency, and retention. *Australasian Journal of Special and Inclusive Education*. 1-14. doi:10.1017/jsi.2018.20/

\*Scanlon, E., Legron-Rodriguez, T., Schreffler, J., Ibadlit, E., **Vasquez, E.**, & Chini, J. (2018). Postsecondary chemistry curriculum and universal design for learning. *Chemistry Education Research and Practice Journal*. 19(4), 1216-1239.

\*Scanlon, E., James, W., Chini, J., Schreffler, J., & **Vasquez, E.** (2018). Postsecondary physics curriculum and universal design for learning. *Physical Review Physics Education Research*, 14(2), 020101.

\*+Mrstik, S., **Vasquez, E.**, & Pearl, C. (2018). The effects of mentor teacher instruction on teaching visual supports to novice secondary teachers in self-contained classes. *International Journal of Instruction*. 11(1). 411-424.

- Vasquez, E.,** Marino, M. T., Donehower, C., Koch, A. (2017) Trial-Based Functional Analysis in Virtual Environments. *Rural Special Education Quarterly* (invited special issue), 36 (1), 17-24.
- Rock, M. L., Smith, S., Regan, K., **Vasquez, E.,** Kennedy, M., Dieker, L., Evmenva, A., Okolo, C., & Bausch, M. (2017). CEC TED TAM Commentary: A response to an interview with Joseph Smith, Director, U.S. Office of Educational Technology, Regarding 21<sup>st</sup> Century Special Education Teacher Preparation. <http://www.citejournal.org//proofing/commentary-a-response-to-an-interview-with-joseph-smith-by-the-council-on-exceptional-children>
- \*+Evans, K., & **Vasquez, E.** (2017). Mindfulness based stress reduction and citizenship education: A systematic review of the empirical literature. *Journal of Mindfulness & Compassion*. 2(2), 159-169.
- Rock, M. L., Smith, S., Thomas, C., Regan, K., **Vasquez, E.,** Kennedy, M., Dieker, L., Evmenova, A., Okolo, C., & Bausch, M. (2017). Commentary: A response to an interview with Joseph South by the teacher education and technology and media divisions of the council for exceptional children. *Journal of Special Education Technology*.
- \*+Taylor, M., **Vasquez, E.,** Donehower, C. (2017). Computer programming with early elementary students with down syndrome. *Journal of Special Education Technology*. DOI: 0162643417704439.
- \*+Pearl, C. E., **Vasquez, E.,** Marino, M. T., Rosenberg, M. Wienke, W. Donehower, C., Gourwitz, J. & Duerr, S. (2017). Establishing content validity of the Quality Indicators for Classrooms Serving Students with Autism Spectrum Disorder instrument. *Teacher Education and Special Education*, 39(2), 98-120. DOI: 10.1177/08884064166814.
- Rock, M., L., Spooner, F., Nagro, S., **Vasquez, E.,** Dunn, C., Leko, M., Luckner, J., \*Donehower, C., \*Jones, J. L. (2016). Transforming teacher development in the digital age: Policy drivers, implications, and recommendations. *Teacher Education and Special Education (Invited Special Issue)* 39 (2): 98-120.
- \*+Walker, Z., **Vasquez, E.,** Wienke, W. (2016). The impact of simulated interviews for individuals with intellectual disability. *Journal of Educational Technology & Society (Invited special issue)* 19, 1, 76-88.
- \*+Massengale, L., **Vasquez, E.** (2016). Assessing Accessibility: How accessible are postsecondary online courses for students with disabilities? *Journal on The Scholarship of Teaching and Learning* 16 (1): 69-79.
- Vasquez, E.,** Welch, G., Marino, M, Hughes, D., \*Koch, A., \*Delisio, L., (2015). Virtual learning environments for students with disabilities: A review and analysis of the empirical literature and two case studies. *Rural Special Education Quarterly (Invited Special Issue)* 34(3):26-32.
- \*+Straub, C., & **Vasquez, E.** (2015). Effects of synchronous online writing instruction for students with learning disabilities. *Journal of Special Education Technology*, 0,1-20.
- Vasquez, E.,** & \*Straub, C. (2015). Online instruction in writing for students with learning disabilities: A review of the literature. *Reading and Writing Quarterly*, 1-20.

- \*+McKinney, T., & **Vasquez, E.** (2014). There's a bug in your ear! Using technology to increase the accuracy of DTT implementation. *Education and Training in Autism and Developmental Disabilities*.
- Marino, M. T., \*Becht, K., **Vasquez, E.**, \*Gallup, J., Basham, J. & \*Gallegos, B. (2014). Enhancing secondary science content accessibility with video games. *TEACHING Exceptional Children*.
- Vasquez, E.**, \*Rodriguez, J., \*Powell, S., \*Hunt., J., \*McKinney, T., \*Straub, C., \*Walker, Z., & \*Vince-Garland, K. (2014). Using E-Cove to increase the efficiency of pre-service teacher observations. *Ed Technology Ideas*.
- Dieker, L. A., Kennedy, M. J., Smith, S., **Vasquez, E.**, Rock, M., & Thomas, C. N. (2014). Use of technology in the preparation of pre-service teachers (Document No. IC-11\_. Retrieved from the University of Florida, Collaboration for Effective Educator, Development, Accountability, and Reform Center website: <http://cedar.education.ufl.edu/tools/innovation-configurations/>
- Marino, M. T., Gotch, C. M., Israel, M., **Vasquez, E.**, Basham, J. D., & Becht, K. (2014). UDL in the middle school science classroom: Can video games and alternative text heighten engagement and learning for students with learning disabilities? *Journal of Learning Disabilities Quarterly*.
- \*Garland, D., \*Vince-Garland, K., & **Vasquez, E.** (2013). Management of classroom behaviors: Perceived readiness of education interns. *Journal on The Scholarship of Teaching and Learning*, 15(2), 133-147.
- \* Hunt, J., & **Vasquez, E.** (2013). An exploratory study of the effects of ratio strategies intervention on knowledge of ratio equivalence for students with mathematics learning disability. *Journal of Special Education*, 47(3), 1-11.
- Vasquez, E.**, & \*Serianni, B. (2012). Research and Practice in Distance Education for K-12 students. *Rural Special Education Quarterly*, 31(4), 33-42.
- \*Vince Garland, K., **Vasquez, E.**, & Pearl, C. (2012). Efficacy of individualized clinical coaching in a virtual reality classroom for increasing teachers' fidelity of implementation of discrete trial teaching. *Education and Training in Autism and Developmental Disabilities Journal*, 47 (4), 502-515.
- Vasquez, E.** & \*Straub, C. (2012). Evidence based online instruction for students with disabilities: A review of the literature. *Journal of Special Education Technology*, 27 (3), 31-40.
- Vasquez, E.** & Slocum, T. (2012). The evaluation of synchronous online tutoring for students at risk of reading failure. *Exceptional Children*, 78 (2), 221-235.
- Vasquez, E.**, Forbush, D., E., Mason, L, Lockwood, A., & Glead, L. (2011). Delivery and evaluation of synchronous online reading tutoring to students at-risk of reading failure: implications for rural students. *Rural Special Education Quarterly*, 50(3), 16-26.
- Vasquez, E.**, Slocum, T., Mason, L., Okeeffe, B., \*Lopez, A., \*Straub, C., \*Powell, S., \*Mkinney, T., \*Bedsem, P., \*Walker, Z., & \*Gonzalez, T. (2011). Empirical research on ethnic minority students: 1995-2009, *Learning Disabilities Research and Practice*, (2), 84-94.

- Davis, R. L., Ninness, C., Rumph, R., McCuller, G., Stahl, K., Ward, T., & **Vasquez, E.** (2008). Functional assessment of self-initiated maladaptive behaviors: A case study. *Behavior and Social Issues*, 17, 66-85.
- Hudson, P., Shupe, M., **Vasquez, E.**, & Miller, S. (2008). Teaching data analysis to elementary students with mild disabilities. *Teaching Exceptional Children Plus*, 4(3) Article 5.
- Forbush, D. E., Stenhoff, D. M., **Vasquez, E.**, Furzland, M., Alexander, M., & Stein, J. (2007). Evaluation of an online tool for assessing competence in achievement testing. *Teacher Education and Special Education*, 30(3), 142-154.
- Morgan, R. L., Morgan, R. B., & **Vasquez, E.** (2006). I can search for jobs on the Internet! A web site that helps youth in transition identify preferred employment. *Teaching Exceptional Children*, 38 (6), 6-11.
- Ninness, C., Rumph, R., McCuller, G., **Vasquez, E.**, Bradfield, A., & Ninness, S., (Winter 2005). A Relational frame and artificial neural network approach to computer-interactive mathematics. *The Psychological Record*, 55, 561-570.
- Ninness, H. A. C., Newton, R., Saxon, J., Rumph, R., Bradfield, A., Harrison, C., **Vasquez, E.**, & Ninness, S. (2002). Small group statistics: A monte carlo comparison of parametric and randomization tests. *Behavior and Social Issues*, 12 (1), 53-63.
- Ninness, H. A. C., Rumph, R., **Vasquez, E.**, & Bradfield, A., (2002) Multivariate randomization tests for small- n behavioral research. *Behavior and Social Issues*, 12 (1), 64-74.

### Refereed Proceedings (peer reviewed)

- Marino, M. T. & **Vasquez, E.** (2020). *Coaching as a means to enhance executive function for postsecondary STEM majors*. AERA annual conference. San Francisco, CA. Conference Cancelled.
- Marino, M. T. & **Vasquez, E.** (2020). *A five-year PLS-SEM study of postsecondary STEM majors*. AERA Annual conference. San Francisco. CA. Conference Cancelled.
- Marino, M. T. & **Vasquez, E.** (2019). *Changing students' lives with personalized executive function mentoring*. 2019 UDL IRN Summit. Retrieved from <https://www.learningdesigned.org/resource/changing-students-lives-personalized-mentoring>
- Marino, M., & **Vasquez, E.** (2019). *Changing Students' Lives with Personalized Executive Functioning Mentoring*. *Proceedings for the UDL-IRN international summit*.
- Vasquez, E.**, Dagley, M., Turgut, D., Karbalaei, A., Cho, H. J. (2019). Collaborative multidisciplinary design experience for teachers (CoMET) Train the trainer model of supports. *Proceedings for 126<sup>th</sup> Annual conference for the American Society for Engineering Education*.
- Karbalaei, A., Turgut, D., Dagley, M., **Vasquez, E.**, Cho, H. J. (2018). Collaborative multidisciplinary engineering design experiences in IOT for teachers through summer research site program. *Proceedings for International Mechanical Engineering Congress & Exposition*.



- Schreffler, J., **Vasquez, E.**, James, W., & Chini, J. (2017). Using observations of Universal Design for Learning to enhance post-secondary STEM teaching practices. *Proceedings Physics Education Research Conference*.
- James, W., Lamons, K., Schreffler, J., **Vasquez, E.**, Chini, J. (2017). Exploring learner variability: experiences of students with cognitive disabilities in post-secondary STEM. *Proceedings Physics Education Research Conference*.
- Donehower, C., **Vasquez, E.**, & Becker-Best, J. (2017). Teaching functional analysis procedures using TeachLive™. *Proceedings TeachLive™ Conference*.
- \*Hughes, D. E., **Vasquez, E.**, & Nicsinger, E. (2016, May). Improving perspective taking and empathy in children with autism spectrum disorder. In *Serious Games and Applications for Health (SeGAH), 2016 IEEE International Conference on* (pp. 1-5). IEEE.
- \* Koch, A., **Vasquez, E.**, Marino, M. T., \* Straub, C., \* Schaffer, K., & \* Donehower, C. (2014). Trial based functional analysis in virtual environments for teacher preparation. *Proceedings TeachLive Conference*.
- Vasquez, E.**, \* Straub, C., Nagendran, A., Marino, M., \*Schaffer, K., \*Koch, A., \*Delisio, L., & Russel, M. (2014). A comparison of simulated and traditional environments on the social responses for children with autism. *Proceedings TeachLive Conference*.
- \* Walker, Z. M., **Vasquez, E.**, & Wienke, W. (2014). Job interview coaching in a virtual environment for individuals with intellectual disabilities. *Proceedings TeachLive Conference*
- Vasquez, E.** (2012). Synchronous online instruction for students with disabilities in rural locations. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (p 961-967).

### **Book Chapters (peer-reviewed)**

- Basham, J. D, & **Vasquez, E.**, (2019). Technology and innovation supporting learners with Autism. In Lam. C. S. C., Ho, F. C., Sam, K. L. S., (Eds.) *Promoting collaborative learning cultures to help teachers support students with autism spectrum disorders*. Springer
- Marino, M. T., Israel, M., **Vasquez, E.** Fisher, K. M., & Gallegos, B. (2019). Teaching and learning with technology. In A.S. Canestrari, & B.A. Marlowe (Eds.) *The handbook of educational foundations: International perspectives*. New York, NY: Wiley-Blackwell. 245-260.
- Pearl, C. & **Vasquez, E.**, (2014). Synchronous Online Teaching: Uses of Adobe Connect. In B. Collins (Eds.). *Online in Real Time: Using Web 2.0 for Distance Education in Rural Special Education*. American Council on Rural Special Education.

### **Non-Refereed Manuscripts**

- Morgan, R. L., & **Vasquez, E.** (2006). Teaching functionally equivalent replacement behaviors to students with problem behavior: What? How? Why? *The Utah Special Educator*, 26(4), 33-34.

## Other Published Manuscripts/Media

Vasquez, E., Pearl, C., Marino, M. T. (April 2018) Project ASD: Special Education Preparation in Autism Spectrum Disorders. *Office of Special Education and Rehabilitative Services Blog. U.S. Department of Education National Autism Awareness Month*. <https://sites.ed.gov/osers/2018/04/project-asd-special-educator-preparation-in-autism-spectrum-disorders/#comments>

Vasquez, E. (2009). Evaluation of The Effectiveness of Online Tutoring for Students At-Risk of Reading Failure. Doctoral dissertation, Utah State University, Logan, UT.

Vasquez, E. (2003). A Comparison of Parametric and Randomized Multivariate Statistics using Monte Carlo Methods: A Computer Generated Approach. Master's thesis, Nacogdoches, TX.

## Manuscripts Under Review (peer-reviewed journals)

Marino, M. T., Vasquez, E., & Parsons, C. (in press). Ensuring students with high incidence disabilities are successful in nontraditional STEM learning environments. In K. Roy & T. S., Love (Eds.), *Safer Makerspaces, Fab Labs, and STEM labs: A collaborative Guide 2<sup>nd</sup> edition*. Vernon, CT: National Safety Consultants, LLC.

Vasquez, E., & Marino, M. T. (Accepted 2020). Enhancing executive function while addressing learner variability in inclusive classrooms. *Intervention in School and Clinic*.

\*Taub, M., Vasquez, E., Bush, S. A., Parsons, C. A., Diaz, M., Anderson, K., Caton, J., Swihart, R., Nass, K. (In Review). Examining middle school students' gameplay actions and perceived ease of use with a virtual reality chemistry game. *Educational Technology Research and Development*.

\*+Paul, C. D., Vasquez, E., Marino, M. T., Taylor, M. S., Massengale, L. R., & Koch, A. (In Review). A comparison of traditional and simulated functional analysis training procedures for in-service teachers. *Journal of Special Education Technology*.

Marino, M. T., Munyon, M. Vasquez, E., Parsons, C., & Gallegos, B. (in review). A Five-year PLS-SEM analysis of factors influencing undergraduate performance and persistence in STEM. *Educational Researcher*

Marino, M. T., Vasquez, E., Banergee, M., Parsons, C. A., Saliba, Y., C., Gallegos, B., & Kock, A. (in press). Coaching as a means to enhance performance and persistence in undergraduate STEM majors with executive function deficits. (*Journal of Postsecondary Education and Disability*).

Marino, M. T., Vasquez, E., & Basham, J. D. (in review). Enhancing postsecondary accessibility with Universal Design for Learning. (*Chronicle of Higher Education*).

Marino, M. T., Vasquez, E., Parsons, C. A., (in review) Ensuring students with high incidence disabilities are successful in nontraditional STEM learning environments.



## Funded Projects

Continuous External Funding 2009-Present

*Total funded project experience - \$12,274,000.00*

### Externally Funded Awards (National)

Years	Role	Title, Agency, and Award Number	Amount
2019	PI	Operation Investigation Translation and Hero Elementary Container. Contract with Public Broadcasting Stations (PBS), U.S. Department of Education <b>Award Number U295A100025</b> , CFDA No. 84.295A	\$110,000
2019	PI	TableCraft- A next generation, introductory STEM learning platform	\$150,000
2019	PI	Sound Game Development for Project Ready to Learn (RTL).Contract with Public Broadcasting Stations (PBS), U.S. Department of Education <b>Award Number U295A100025</b> , CFDA No. 84.295A	\$151,814
2019	PI	Lights and Shadow Game Development for Project Ready to Learn (RTL).Contract with Public Broadcasting Stations (PBS), U.S. Department of Education <b>Award Number U295A100025</b> , CFDA No. 84.295A	\$135,847
2019-2023	PI	Preparing Special Education and Speech Language practitioners in Autism Spectrum Disorders (ASD) Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325K180134</b>	\$1,250,000
2019-2023	Co-PI	Technology Enhanced Learning Enabled by Partner Organizations, Research, and Teaching Success: TELEPORTS Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325D180022</b>	\$1,250,000
2019-2023	Co-PI	Preparing Next Generation Special Education Leadership Scholars: Lead Next Award Number Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325D180102</b>	\$1,250,000
2016-2018	Co-PI	RET Site: Collaborative Multidisciplinary Engineering Design Experiences for Teachers (CoMET) <b>NSF Award Number: 1611019</b>	\$600,000
2016-2020	PI	Preparing Special Educators in Autism Spectrum Disorders (ASD). Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325K150201</b>	\$1,250,000
2016-2018	Co-PI	Adapting Collaborating Classes to Equally Support Science Students. IUSE Program <b>NSF Award ID Number: 1612009</b>	\$300,000
2015-	Co-PI	Interdisciplinary Coaching As a Nexus for transforming how	\$250,000

2016		institutions support undergraduates in STEM (iCAN). IUSE program <b>NSF Award Number 1505202</b>	
2014- 2018	PI	Special Educator Preparation in Autism Spectrum Disorders (ASD) Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325K130222.</b>	\$1,250,000
2013- 2017	PI	Special Educator Preparation in Severe or Profound Disabilities (SPD 3), Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325K120207</b>	\$1,250,000
2011- 2014	PI	Special Educator Preparation in Autism Spectrum Disorders (ASD) Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325K100209</b>	\$1,200,000
2009- 2013	PI	Special Educator Preparation in Severe or Profound Disabilities (SPD 2), Office of Special Education Programs, U.S. Department of Education. <b>Award Number H325K080219</b>	\$800,000

### Internally Funded Awards (UCF)

Years	Role	Title, Award Number, and Agency	Amount
2010- 2011	PI	The TJEEI Clinic for Academic and Behavioral Interventions Research and Practice. Toni Jennings Exceptional Education Institute Research Project Funding Award	\$16,000
2009	PI	The TJEEI Parent Training in Behavioral Interventions. Principal Investigator. Toni Jennings Exceptional Education Institute Research Project Funding Award	\$8,000

### Foundation Awards

Years	Role	Title, Award Number, and Agency	Amount
2019	PI	Down Syndrome Foundation of Florida Post-Doctoral Support for TJEEI	\$70,000
2018	PI	Bluebee Pals Robotic Donation to TJEEI	\$100,000

### Grant Evaluation

Years	Role	Title, Agency, and Award Number	Amount
2014- 2017	External Evaluator	Social Presence During Instructor Mediated Synchronous Versus Asynchronous On-Line Course Discussions: A Study of Undergraduate Students with Disabilities Learning Statistics <b>NSF Award ID Number 1420198</b>	\$500,000
2019- 2023	External Evaluator	Project BEES: Behavioral Early Education Students	\$1,250,000.00

## Papers Presented at Refereed Conference

### Invited Talks & Keynote

Marino, M. T. & **Vasquez, E.** (2020, May). **Webinar.** *Universal Design for Learning in Virtual Environments.* Unconference. Washington, D.C.

**Vasquez, E.** & Marino, M. T. (2020, January). **Presentation.** *Infusing Universal Design for Learning in Virtual Environments.* Lunch with Leaders Project Directors Meeting. Office of Special Education Programs, U.S. Department of Education. Washington D.C.

Marino, M. T., Parson, C., & **Vasquez, E.** (2019, December). **Presentation.** *Infusing Universal Design for Learning in video games.* Universal Design for Learning Implementation & Research Network southeastern conference. Orlando, FL.

**Vasquez, E.** (2018, July). **Keynote:** Leveraging innovation for enhanced supports for individuals with disabilities at the secondary and post- secondary level. Landmark College Summer Institute.

**Vasquez, E.** & Marino, M (2017, May). *Understanding executive function disorders in postsecondary education.* UCF Summer Faculty Development Conference.

Kennedy, M., Hasselbring, T., Israel, M, Nagro, S. **Vasquez, E.** (2016, November) Invited TED/TAM Technology Strand: Use of Technology in Teacher Preparation. Teacher Education Division. Lexington, KY. (Strand Lead).

Bausch, M, Evenova, A., Jerome, M., **Vasquez, E.** (2016, November). Invited TED/TAM Technology Strand: Assistive Technology in Teacher Preparation. Teacher Education Division. Lexington, KY. (Strand Lead).

**Vasquez, E.**, Marino, M., Basham, J., Gardner, J., Dieker, L. (2016, November). Invited TED/TAM Technology Strand: Emerging Technology Trends in Education. Teacher Education Division. Lexington, KY. (Strand Lead).

Courtade, G., Ault, M., Carter, R. A., Vasquez, E. (2016, November). Invited TED/TAM Technology Strand: Distance Learning and Teacher Preparation. Teacher Education Division. Lexington, KY. (Strand Lead).

Basham, J., **Vasquez, E.**, Marino, M. (2016, April). Invited member of panel on gaming, social media, and social skills in digital environments for students with disabilities. Council for Exceptional Children. St. Louis.

**Vasquez, E.**, (2015, September). What we learn from gaming? Otronicon hosted by Orlando Science Center. Orlando, FL. Keynote Speaker.

**Vasquez, E.** (2014, March). State of STEM education conference: Invited panel member for the iSTEM Faculty Fellowship. University of Central Florida, Orlando, FL.

- Vasquez, E.** (2013, January). Hit the Mark with Qualtrics Research. Invited Presenter for the College of Education. University of Central Florida, Orlando, FL.
- Vasquez, E.** (2011, May). Introduction to Single Subject Design & Analysis. Invited Presenter for the College of Health and Public Affairs Office of Research Summer Research Institute at University of Central Florida, Orlando, FL.
- Vasquez, E.** (2010, August). Creating Accessible Content over Adobe Connect for University Students with Deaf/Hard of Hearing disabilities, Center for Distributed Learning at the University of Central Florida, Orlando, FL.
- Vasquez, E.** (2009, August). Efficient use of Camtasia to disseminate lecture, and webinar materials, CFCS faculty training, University of Central Florida, Orlando, FL.

### **International**

- Cho, J., Turgot, D., Dagley, M., & Vasquez, E.** (2018, November). *Collaborative multidisciplinary engineering design experiences in IOT for teachers through summer research site program*. International Mechanical Engineering Congress & Exposition. Pittsburgh, PA.
- Marino, M. T., Vasquez, E., & Coy, K.** (2016, November). *An analysis of Universal Design for Learning during online instruction*. Australian Association of Research in Education. Melbourne, AU.
- Vasquez, E., Marino, M. T., & Basham, J. D.** (2016, November). *Teen Career Pathway. A science, technology, engineering, and mathematics (STEM) career video game pilot study*. Melbourne, AU.
- Marino, M. T., & Vasquez E.** (2016, November). *Teaching teachers to promote college and career readiness in science, technology, engineering, and mathematics (STEM): The iCAN project*. Melbourne, AU.
- Vasquez, E.** (2012, March). *Synchronous online instruction for students with disabilities in rural locations*. 23<sup>rd</sup> International Conference for the Society for Information Technology and Teacher Education. Austin, TX.
- Vasquez, E.** (2008, May). *Evaluation of synchronous online tutoring to students in rural and inner city public school*. Paper Presented at the 34<sup>th</sup> Annual Convention of the International Association for Behavior Analysis, Chicago, IL.
- Vasquez, E., & Stenhoff, D.,** (2007, May). *Research on ethnic minority students: An analysis of 11 years of studies published in JABA*. 33<sup>rd</sup> Annual Convention of the International Association for Behavior Analysis, San Diego, CA.
- Vasquez, E., Forbush, D., Stenhoff, D., Lockwood, A., & Glead, L.** (2007, May). *An evaluation of the effectiveness, efficiency, and feasibility of live on-line tutoring for remediating students' skill deficits*. 33<sup>rd</sup> Annual Convention of the International Association for Behavior Analysis, San Diego, CA.

Morgan, R. L., & Vasquez, E. (2007, May). *Teaching applied behavior analysis to pre-service teachers*. 33<sup>rd</sup> Annual Convention of the International Association for Behavior Analysis, San Diego, CA.

Ninness, C., Rumph, R., McCuller, G., Harrison, C., Vasquez, E., Bradfield, A., & Ninness, S., (2003, May) *Artificial neural network analysis of derived relational frames*. Presentation at the International Association for Behavior Analysis, San Francisco, CA.

### National

Marino, M. T. & Vasquez, E. (2020, April). *Coaching as a means to enhance executive function for postsecondary STEM majors*. American Educational Research Association (AERA) annual conference. San Francisco, CA. Conference Cancelled.

Marino, M. T. & Vasquez, E. (2020, April). *A five year PLS-SEM study of postsecondary STEM majors*. American Educational Research Association (AERA) Annual conference. San Francisco. CA. Conference Cancelled.

Marino, M. T., Vasquez, E., Gaiser, J., & Wright, C. (2019, June). *Universal Design for Learning (UDL): Gaming and Simulation Innovations*. Serious Play Conference. Orlando, FL.

Marino, M., & Vasquez, E. (2019, May). *iCAN: Enhancing executive function in STEM majors*. 31<sup>st</sup> Annual Postsecondary Disabilities Training Institute (PTI) Boston, MA.

Marino, M., & Vasquez, E. (2019, March). *Changing Students' Lives with Personalized Executive Functioning Mentoring*. Universal Design for Learning International Research Network Annual Summit. Orlando, FL.

Vasquez, E., Basham, J., Davis, D., Bastiani Wilson, L. (2019, February) *UDL Town Hall for the Technology & Learning Connections Project*. Assistive Technology Industry Association Annual Conference. Orlando, FL

Vasquez, E., Pearl, C., Marino, M. T., Hopkins, R., (2018, August). *Quality indicators for classrooms serving students with autism spectrum disorders (QIASD)*. OSEP Project Directors Conference. Washington, DC.

Wienke, W., Rude, H., Miller, K., Vasquez, E. (2018, March). *Preparing special education personnel for advocacy roles impacting policy including rural areas*. American Council on Rural Special Education. Salt Lake City, UT.

Schreffler, J., Vasquez, E., Chini, J., James, W. (2017, July). *Using observations of universal design for learning to enhance post-secondary STEM teaching practices*. Presented at Physics Education Research Conference. Cincinnati, OH.

Chini, J., James, W., Yestrebsky, C., Vasquez, E., Schreffler, J. (2017, July). *Studio Physics through the lense of universal design for learning*. Presented at Physics Education Research Conference. Cincinnati, OH.

- Donehower, C., **Vasquez, E.**, & Becker-Best, J. (2017, June). *Teaching functional analysis using TeachLivE*. Presented at TeachLivE™ Annual Conference, Orlando, FL.
- Marnio, M., **Vasquez, E.** (2017, April). Preparing special educators to promote college and career readiness in STEM: The iCAN project. AERA Annual Meeting. San Antonio, TX.
- Marino, M., **Vasquez, E.**, Basham, J. (2017, April). Teen Career Pathway: An analysis of a career preparation video game for middle school students with and without disabilities. AERA Annual Meeting. San Antonio, TX.
- Berkeley, S., Basham, J., Marino, M., **Vasquez, E.**, Whitehead, A., Luh, A., Gallegos, B., Israel, M. (2017, April). Lessons from a decade of video game research for students with disabilities in science education. NARST Annual International Conference. San Antonio, TX.
- \*Schreffler, J., **Vasquez, E.**, Chini, J., James, W., & Holbrook, J. (2017, March). Universal Design for Learning in Post-Secondary STEM Education for Students with Disabilities: A Systematic Literature Review. Universal Design For Learning International Research Network Summit, Orlando, FL.
- Marino, M. T., Banerjee, M., & **Vasquez, E.** (2016, June). Interdisciplinary Coaching As a Nexus for transforming how institutions support undergraduates in STEM (iCAN). Postsecondary Disability Training Institute, Philadelphia, PA.
- Basham, J., **Vasquez, E.**, Marino, M. (2016, April). Invited member of panel on gaming, social media, and social skills in digital environments for students with disabilities. Council for Exceptional Children. St. Louis.
- Marino, M., **Vasquez, E.**, Donehower, C. (2016, March) UDL as a means to enhance college and Career readiness. Paper presented at UDL-IRN summit, Townson, MD.
- Vasquez, E.**, Wienkie, W. (2016, March) Certified teachers rate 27 evidence-based practices for students with ASD identified by the NPDC. Paper presented at ACRES conference Las Vegas, NV.
- Wienke, W., **Vasquez, E.** (2016, March) Four uniquely different approaches to prepare special education doctoral level leadership personnel. Paper presented at ACRES conference Las Vegas, NV.
- Gardner, J., Basham, J., Marino, M., & **Vasquez, E.** (2015, October). UDL and Evidenced-Based Practices: Measurement and Implementation Issues. Roundtable at the Council for Learning Disabilities annual conference, Las Vegas, NV.
- Pearl, C. & **Vasquez, E.** (2015, April). Project ASD. Poster presented at the OSEP Virtual Project Directors Conference, Washington, DC.
- Vasquez, E.**, & Pearl, C. (2015, April) Project SPD Action Research. Poster presented at the OSEP Virtual



Project Directors' Conference, Washington, DC.

- Pennington, R., & **Vasquez, E.** (2015, March). Single Case Design: A Research Methodology for Rural Settings. Paper presented at the American Council on Rural Special Education Conference, New Orleans, LA.
- \*Nicsinger, E., \* Hughes, D., **Vasquez, E.** (2014, November). The science of teaching emotional discrimination to children with ASD using a serious video game. Paper presented at the American Speech-Language-Hearing Association Conference, Orlando, FL.
- Pearl, C., & **Vasquez, E.** (2014, July). Preparing highly qualified personnel to serve students with severe or profound disabilities: A personnel preparation project at UCF. Poster presented at the OSEP Project Directors Conference, Washington, DC.
- Vasquez, E.,** & Pearl, C. (2014, July). Preparing teachers to implement discrete trial instruction: Efficacy of coaching in a virtual classroom environment. Poster presented at the OSEP Project Directors Conference, Washington, DC.
- Vasquez, E.,** & Marino, M. (2014, March). Project Autism Spectrum Disorders. Paper Presented at the American Council on Rural Special Education Conference, Tempe, AZ.
- \* Walker, Z., \*Koch, A., & **Vasquez, E.** (2013, November). Improving interview performance for individuals with intellectual disabilities using mixed reality and coaching. Paper Presented as part of the research on virtual learning environments panel at the 36<sup>th</sup> Annual Teacher Education Division Conference. Fort Lauderdale, FL.
- \*Shaffer, K., \*Koch, A., \* Straub, C., & **Vasquez, E.** (2013, November). Analysis of virtual learning environments for secondary students with autism. Paper Presented as part of the research on virtual learning environments panel at the 36<sup>th</sup> Annual Teacher Education Division Conference. Fort Lauderdale, FL.
- Vasquez, E.,** \*Koch, A., \*Delisio, L., \*Gallup, J., \*Schaffer, K., Nagendran, A., Russell, M., Straub, C., Welch, G., Hughes, C., Paz, M., & Alias, A. (2013, April). *An analysis of virtual learning environments on students with disabilities: A review of the empirical literature.* Paper Presented at the Council for Exceptional Children 2013 Convention and Expo. San Antonio, TX.
- \*Miller, K., & **Vasquez, E.** (2013, April). *Examining the use of handwriting, typing, and scribing with struggling writers.* Paper Presented at the Council for Exceptional Children 2013 Convention and Expo. San Antonio, TX.
- Vasquez, E.** & \*Serianni, B. (2013, March). *Research and Practice in Distance Education for K-12 students.* Paper Presented at the American Council on Rural Special Education Conference, Orlando, FL.
- \*Miller, K., & **Vasquez, E.** (2012, November). *Examining the use of handwriting, typing, and scribing with struggling writers.* Paper Presented at the 35<sup>th</sup> Annual Teacher Education Division Conference. Grand Rapids, MI.

- Vasquez, E., & \*Straub, C. (2011, November). *Evidence based instruction for K-12 learners. Where is the evidence?* Paper Presented at the 34<sup>th</sup> Annual Teacher Education Division Conference. Austin, TX.
- \*Hunt, J., & Vasquez, E. (2010, November). *Conceptual understanding in fraction through Quotient and Ratio interpretations: Old habits and new perspectives.* Paper Presented at the 33<sup>rd</sup> Annual Teacher Education Division Conference. St. Louis, Missouri.
- Vasquez, E., Slocum, T., Mason, L., O’Keeffe, B. \*Lopez, A., \*Straub, C. \*Powell, S., \*McKinney, T., \*Bedsem, P. \*Walker, Z., & \*Gonzalez, T. (2010, April). *Empirical Research on Ethnic Minority Students: 1995 – 2009.* Paper Presented at the Council for Exceptional Children (CEC), Nashville, TN.
- Alexander, M, Vasquez, E., Hager, K., & Keramidas, C. (2010, March). *Teacher Preparation and Technology Options: Technologies that Lessen the Miles in Rural Practice.* Paper Presented at the 30<sup>th</sup> Annual American Council on Rural Special Education Conference, Memphis, TN.
- Vasquez, E., & Wienke, W. (2009, October) *Evaluation of synchronous online tutoring delivered to students at risk of academic failure.* Paper Presented at the 33<sup>rd</sup> Annual Teacher Educators for Children with Behavioral Disorders Conference, Tempe, AZ.
- Keramidas, C. G., Hager, K., Alexander, M., & Vasquez, E. (2009, November) *Teacher preparation in changing times: Using technology to lessen the miles in rural practica.* Panel Presentation at the 32<sup>nd</sup> Annual Teacher Education Division of the Council for Exceptional Children Conference. Charlotte, NC.
- Vasquez, E. & \*Lopez, A. (2009, November) *Empirical Research on Ethnic Minority Students 1995-2009: A review of the literature.* Paper Presentation at the 32<sup>nd</sup> Annual Teacher Education Division of the Council for Exceptional Children Conference. Charlotte, NC.
- Wienke, W., Gilmore, B., Salzburg, C., Sundeen, T., & Vasquez, E. (2009, March) *Innovative leadership programs to prepare special education faculty for rural colleges.* Symposium Presented at the 29<sup>th</sup> Annual conference for the American Council on Rural Special Education, Denver, CO.
- Vasquez, E., (2009, March). *Evaluation of online tutoring to at-risk students in rural locations.* Paper Presented at the 29<sup>th</sup> Annual Conference for the American Council on Rural Special Education, Denver, CO.
- Wienke, W., Dieker, L., Salzberg, C., Lignugaris/Kraft, B., Vasquez, E., & Pawling, K. (2008, July). *Innovative leadership programs to prepare a new generation of leaders in special education.* Symposium Presented at the Conference on Teacher Education and Special Education in Changing Times: Personnel Preparation and Classroom Interventions.
- Forbush, D., Vasquez, E., Salzberg, C., Lockwood, A., & Gleed, L. (2007, March). *Delivery and evaluation of live audio/video internet based reading tutoring.* 27<sup>th</sup> Annual Conference of the American Council on Rural Special Education. Billings, MT.
- Forbush, D., Vasquez, E., & Mason, L. (2007, March). *Assessing tutees reading skills at a distance via a live audio/video internet based system.* Paper Presented at the 27<sup>th</sup> Annual Conference of the American Council on Rural Special Education. Billings, MT.

Stenhoff, D. & Forbush, D., & **Vasquez, E.** (2006, November). *Assessing undergraduates' delivery of an achievement test with an internet-based tool*. Paper Presented at the 29th Annual Convention of the Teacher Education Division of the Council for Exceptional Children. San Diego, CA.

### State

Marino, M. T., **Vasquez, E.**, Hines, R. & Holbrook, J. (2016, April). *Technology Innovations at the University of Central Florida*. **Workshop** for Florida Technology Leadership Consortium.

\*Donehower, C., & **Vasquez, E.** (2015, October). *Training teachers to implement functional analysis procedures using simulation*. Presented at Florida Association of Behavior Analysis Annual Conference, Daytona, FL.

\* Schaffer, K., & **Vasquez, E.** (2013, September). *Video modeling: Effects on pre-service educator pairing skills*. Poster Presented at the Annual Florida Association for Behavior Analysis Conference. Daytona, FL.

**Vasquez, E.**, & Reyes, M. (2011, November). *Center for Academic and Behavioral Interventions, Research, and Practice 2010 Grant Outcomes*. Presented at the Toni Jennings Annual Leadership Summit. Orlando FL.

\***Vasquez, E.**, & Straub, C. (2011, September). *Evidenced-based Synchronous Online Reading and Writing Instruction for Struggling Learners*. Presented at the Florida Distance Learning Associations Fall Conference. Orlando, FL.

**Vasquez, E.**, Forbush, D., Glead, L., & Lockwood, A. (2007, August). *An evaluation of the effectiveness, efficiency, and feasibility of live on-line reading tutoring for at risk students in an inner-city location*. Paper Presented at the 5<sup>th</sup> Annual Utah Conference on Effective Practices in Special Education and Rehabilitation: Interventions Across the Life Span, Logan, UT.

**Vasquez, E.** (2007, August). *Assessing tutees reading skills at a distance via a live online system*. Paper Presented at the 10<sup>th</sup> Annual Graduate Research Symposium. Logan, UT.

Morgan, R. L., & **Vasquez, E.** (2006, June). *Teaching functionally equivalent replacement behaviors: don't agitate. Communicate!* Paper Presented at the 4th Annual Utah Conference on Effective Practices in Special Education and Rehabilitation: Interventions Across the Life Span. Logan, UT.

Morgan, R. L., & **Vasquez, E.** (2005, June). *Teaching functionally equivalent replacement behaviors to students with problem behaviors: What, how, and why*. Paper Presented at the 3rd Annual Utah Conference on Effective Practices in Special Education and Rehabilitation: Interventions Across the Life Span. Logan, UT.

**Vasquez, E.**, Ninness, C., Rumph, R., & McCuller, G. (2003, May) *Error pattern recognition: Artificial neural network analysis of transformation of functions*. Poster session Presented at International Association for Behavior Analysis, San Francisco, CA.

**Vasquez, E.** (2002, November). *A comparison of parametric and randomized multivariate statistics using Monte Carlo methods: A computer generated approach*. Poster session Presented at Texas Association of School Psychologists, Dallas, TX.

**Vasquez, E.** (2002, March). *Small group statistics: A Monte Carlo comparison of parametric and randomization tests*. Poster session Presented at the Texas Association of Applied Behavior Analysis, Houston, TX.

Calliou, M., **Vasquez, E.**, (2002, March). *The effects of using differential reinforcement of alternative (DRA) on self-stimulatory behaviors*. Poster session Presented at the Texas Association of Applied Behavior Analysis, Houston, TX.

### **Invited Workshops**

**Marino, M. T., Vasquez, E., Hines, R., & Holbrook, J.** (2016, April). *Technology Innovations at the University of Central Florida*. Florida Technology Leadership Consortium. Orlando, FL.

**Vasquez, E., Davey, B., & Stenhoff, D.**, (2011, May) Using excel vista to visually display data for behavior analysts. Workshop at the 36<sup>th</sup> Annual Convention of the International Association for Behavior Analysis, Denver, CO.

**Vasquez, E., & Schwartz, S.** (2010, November). The ins and outs of online teaching in higher education: Instructing for the future! 33<sup>rd</sup> Annual Conference Teacher Education Division- Council for Exceptional Children, St. Louis, MI.

Stenhoff, D., Davey, B., & **Vasquez, E.** (2009, May). Using excel vista to visually display data for behavior analysts. Workshop at the 35<sup>th</sup> Annual Convention of the International Association for Behavior Analysis, Phoenix, AZ.

**Vasquez, E.** (2009, September). Camtasia Studios Show and Tell. Faculty workshop at the University of Central Florida. Orlando, FL.

**Vasquez, E.** (2008, October). Efficient use of Camtasia Studios 5.0 for faculty to integrate asynchronous video lectures in Webcourses. Faculty Workshop at the University of Central Florida. Orlando, FL.

Davey, B., Stenhoff, D., & **Vasquez, E.** (2008, May). Efficient Use of Microsoft Excel for Behavior Analysis and Practitioners to Graphically Communicate Outcomes. Workshop at the 34<sup>th</sup> Annual Convention of the International Association for Behavior Analysis, Chicago, IL.

Stenhoff, D., Davey, B., & **Vasquez, E.** (2007, May). Efficient use of Excel for behavior analysis and practitioners to graphically communicate outcomes. Workshop at the 33<sup>rd</sup> Annual Convention of the International Association for Behavior Analysis, San Diego, CA.

Davey, B., Stenhoff, D., & **Vasquez, E.** (2006, May). Using Excel spreadsheets and graphs for visual display of individual behavior and academic performance in applied settings. Workshop at the 32<sup>nd</sup> Annual Convention of the International Association for Behavior Analysis, Atlanta, GA.

## University Teaching and Supervision

### Post-Doctoral Fellowship

Jennifer Holbrook, Ph.D.(2019-2021). Supported with funding from the Down Syndrome Foundation of Florida. University of Central Florida, College of Community Innovation and Education. Toni Jennings Exceptional Education Institute.

Benjamin Gallegos, Ph.D. (2016-2017) Supported with NSF funding from project iCAN. Award number **1505202**. University of Central Florida, College of Education and Human Performance. Department of Child, Family, & Community Sciences.

### Doctoral Dissertation Committees

#### Chair

Diaz, Morgan (Expected 2020). TBA Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. School of Teacher Education.

Best, Jaime. (Expected 2019). Utilizing online modules to educate preservice teachers to address bullying behaviors for elementary students with autism spectrum disorders. Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. School of Teacher Education.

Hopkins, R. (2018). Establishing construct validity of the quality indicators for classroom serving students with autism spectrum disorder. Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. Department of Child, Family, & Community Sciences.

Donehower, C. (2017). *An analysis of robot-assisted social communication instruction for young children with autism spectrum disorders*. Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. Department of Child, Family, & Community Sciences.

Koch, A. (2016). *Project iCAN: An analysis of Landmark College Model of Supports*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, and Community Sciences.

Hughes, D. E. (2014). *The design and evaluation of a video game to help train perspective-taking and empathy in autism spectrum disorder children*. Ph.D. Dissertation, University of Central Florida. College of Sciences, Department of Modeling and Simulation.

Schaffer, K. (2014). *The effects of social interaction across technology modalities for students with autism spectrum disorders*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.

Straub, C. (2012). *Synchronous online instruction in writing*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.

McKinney, T. (2012). *Using bug in ear to provide synchronous coaching to pre-service teachers implementing discrete trial teaching*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.

## **Committee Member**

- Taylor, M. (2017). *Computer Programming with Kindergarten Students with and without Intellectual Disabilities*. Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. Department of Child, Family, & Community Sciences.
- Gallegos, B., (2016). *The role of virtual avatars in supporting middle school students from culturally and linguistically diverse backgrounds on science in after school programs* Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. Department of Child, Family, & Community Sciences.
- Massengale, L. R., (2016). *The lived experiences of elementary students with disabilities self-advocating through speaking and writing*. Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. Department of Child, Family, & Community Sciences.
- Gesundheit, I. (2016). *School wide positive behavior supports tier 3 interventions for early childhood and elementary settings*. Ed.D. Dissertation, University of Central Florida, College of Education and Human Performance, Department of Child, Family & Community Sciences.
- Delisio, L. A. (2015). *Effects of the KNWS graphic organizer and video self-modeling through voice thread on the mathematical word problem solving of students with disabilities*. Ph.D. Dissertation, University of Central Florida, College of Education and Human Performance. Department of Child, Family, & Community Sciences.
- Gourwitz, J. (2014). *An analysis of technology modalities for use to prepare special educators*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Serianni, B. (2014). *An analysis of online instruction practices for students with disabilities in K-12 settings*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Garland, D. (2013). *Virtual coaching of novice science educators to support students with emotional and behavioral disorders*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Craanen, P., M. (2013). *Executive functioning analysis of students with ASD*. Ed.D. Dissertation, University of Central Florida, College of Education, School of Teaching, Learning, and Leadership.
- Miller, D., A. (2013). *Representation of Hispanic students in high incidence categories in exceptional student education programs and educational environments in K-12 schools across the state of Florida*. Ed.D. Dissertation, University of Central Florida.
- Walker, Z. (2012). *The effects of the combination of interview practice in a mixed-reality environment and coaching on the interview performance of young adults with intellectual disabilities*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.



- Lopez, A. (2012). *Examining potential teacher bias of Hispanic males with emotional disturbances in virtual settings*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Vince Garland, K (2012). *Individualized Clinical Coaching in an Interactive Virtual Reality to Increase Fidelity of Implementation of Discrete Trial Teaching*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Dopson, N. (2011). *Supporting Hispanic families with young children with developmental/language delays via dialogic reading and coaching within the home environment*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Hunt, J (2011). *The effects of a ratio based teaching sequence on performance in fraction equivalency for students with mathematics disabilities*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Uhle, T. (2011). *Principals who exceed district standards: Improving outcomes for students with emotional and behavioral disabilities*. Ed.D. Dissertation, University of Central Florida, College of Education, School of Teaching, Learning, and Leadership.
- Bedesem, P. L., (2010). *Using cell phone technology for self-monitoring procedures in inclusive settings*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Pawling, K. A., (2010). *Integrating universal design for learning concepts into secondary general education instructional methods courses*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Wade, W (2010). *Increasing novice teacher support in 21<sup>st</sup> century classrooms: Induction and mentoring for beginning teachers through bug-in-ear technology*. Ph.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.
- Cerasale, M., W. (2009). *The effects of computer-assisted repeated readings on the reading performance of middle school students with mild intellectual disabilities*. Ed.D. Dissertation, University of Central Florida, College of Education, Department of Child, Family, & Community Sciences.

### **External Dissertation Committee Member**

- Orban, S. A. (2017). *Inattentive behavior in boys with ADHD during classroom instruction: The mediating role of working memory process*. Ph.D. Dissertation, University of Central Florida. Psychology Department.
- Friedman, L. M. (2017). *Applied problem solving in children with ADHD: The mediating roles of working memory and mathematical calculation*. Ph.D. Dissertation, University of Central Florida. Psychology Department.

Michlowitz, R. (2017). *Supporting learning in educational 3D virtual environments: The impact of inter-general joint media engagement*. Ph.D. Dissertation, University of Central Florida. Computer Science Department.

Bozgeyikli, E. (2017) Evaluating virtual reality locomotion techniques for individuals with autism spectrum disorders. Ph.D. Dissertation, University of South Florida, Rehabilitation Robotics & Prosthetics Testbed Laboratory

Bozgeyikli, L. (2017). Virtual reality for training individuals with autism spectrum disorder: design considerations. Ph.D. Dissertation, University of South Florida, Rehabilitation Robotics & Prosthetics Testbed Laboratory

Sarver, D. (2013). *Working memory and academic performance*. Ph.D. Dissertation, University of Central Florida. Psychology Department.

Raiker, J. (2013). *Basic sub-process involved in processing speed and contribution to phonological working memory in children*. Ph.D. Dissertation. Psychology Department.

### **Master's Thesis Committee Member**

**Chair:** Bobbitt, N. (2015). An alternative assessment for stereotypes in a high resolution algorithm. M.S. Thesis Interdisciplinary Studies.

**Member:** Friedman, L. M. (2016). Reading comprehension deficits in children with ADHD: The mediating roles of working memory and orthographic conversion. MS Thesis Psychology Department.

### **Undergraduate Thesis Committee Member**

Fralish, B. (2017). Improved physiology and psychosocial well-being for individuals with cerebral palsy through virtual reality immersion. College of Education and Human Performance, University of Central Florida.

Parsons, C. (2017). *Metacognitive coaching as a means to enhance college and career success for students with executive function disorders*. College of Education and Human Performance, University of Central Florida

Reese, K (2011). *Improving social conversation in high-functioning autism: Using video self-modeling and comic strip conversations*. Psychology Department University of Central Florida.

**Teaching Activity (89 Courses at UCF, 2020-2008)**

Semester	Name of Course	Modality of Instruction/ Number of Students
Spring 2020	IDS 7500 Single Case Design	Face 2 Face / 9
Spring 2019	EEX 7980 Dissertation	Face 2 Face / 1
Spring 2019	IDS 7500 Single Case Design	Face 2 Face/5
Fall 2018	EEX 7980 Dissertation	Face 2 Face / 1
Fall 2018	EEX 6908 Independent Study	Face 2 Face / 1
Summer 2018	EEX 7980 Dissertation	Face 2 Face / 1
Spring 2018	EEX 7980 Dissertation	Face 2 Face / 1
Fall 2017	EEX 6612 Methods of Behavior Management	Online / 54
Fall 2017	EEX 6946 Internship	Face 2 Face / 1
Summer 2017	EEX 7980 Dissertation	Face 2 Face / 1
Spring 2017	EEX 7980 Dissertation	Face 2 Face / 1
Spring 2017	EEX 6297 Assessment Diagnosis and Curriculum	Online / 30
Spring 2017	IDS 7500 Single Case Design	Face 2 Face / 6
Fall 2016	EEX 6612 Methods of Behavior Management	Online / 38
Fall 2016	EEX 7980 Dissertation	Face 2 Face / 1
Fall 2016	IDS 7500 Seminar in Education Research	Face 2 Face / 1
Fall 2016	IDS 7501 Issues and Research in Education	Face 2 Face / 13
Spring 2016	IDS 7500 Single Case Design	Face 2 Face / 10
Spring 2016	EEX 7980 Dissertation	Face 2 Face / 1
Fall 2015	EEX 7919 Research	Face 2 Face / 1
Fall 2015	IDS 6971 Thesis	Face 2 Face / 1
Fall 2015	EEX 6612.0W61 Methods of Behavior Management	Online / 35
Fall 2015	EEX 6612.0W62 Methods of Behavior Management	Online / 30
Summer 2015	EEX 6295 Assessment & Curriculum Prescriptions	Online / 25
Summer 2015	EEX 6908 Research	Face 2 Face / 1
Summer 2015	IDS 6971 Thesis	Face 2 Face / 1
Summer 2015	EEX 6938 Advanced Behavior Analysis	Online / 11
Spring 2015	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 36
Spring 2015	IDS 7500 Single Case Design	Face 2 Face / 10
Spring 2015	EEX 7919 Research	Face 2 Face / 1
Spring 2015	IDS 6971 Thesis	Face 2 Face / 1
Fall 2014	EEX 6612.0W61 Methods of Behavior Management	Online / 31
Fall 2014	EEX 6612.0W62 Methods of Behavior Management	Online / 28
Fall 2014	EEX 7919 Research	Face 2 Face 1
Fall 2014	IDS 6971 Thesis	Face 2 Face 1
Spring 2014	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 43
Spring 2014	EEX 7980 Dissertation	Face 2 Face / 2
Spring 2014	IDS 7500 Single Case Design	Face 2 Face / 8
Fall 2013	EEX 6612.0W61 Methods of Behavior Management	Online / 31
Fall 2013	EEX 6612.0W62 Methods of Behavior Management	Online / 25
Fall 2013	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 25
Fall 2013	EEX 7980 Dissertation	Face 2 Face / 2
Summer 2013	EEX 6295 Assessment & Curriculum Prescriptions.	Online / 27

Summer 2013	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 28
Summer 2013	EEX 7980 Dissertation	Face 2 Face / 1
Spring 2013	EEX 4601 Intro to Behavior Management	Mixed Mode / 38
Spring 2013	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 39
Spring 2013	IDS 7500 Single Case Design	Face 2 Face / 4
Fall 2012	EEX 7980 Dissertation	Face 2 Face / 2
Summer 2012	EEX 6295 Assessment & Curriculum Prescriptions	Online / 18
Summer 2012	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 14
Summer 2012	EEX 7980 Dissertation	Face 2 Face / 2
Spring 2012	EEX 4601 Intro to Behavior Management	Mixed Mode / 34
Spring 2012	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 35
Spring 2012	IDS 7500 Single Case Design	Face 2 Face / 3
Spring 2012	EEX 7980 Dissertation	Face 2 Face / 2
Fall 2011	EEX 6612.0W61 Methods of Behavior Management	Online / 25
Fall 2011	EEX 6612.0W62 Methods of Behavior Management	Online / 20
Fall 2011	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 26
Fall 2011	EEX 7980 Dissertation	Face 2 Face / 2
Fall 2011	EEX 7919 Research	Face 2 Face / 2
Summer 2011	EEX 6612.0W62 Methods of Behavior Management	Online / 25
Summer 2011	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 21
Summer 2011	EEX 6908 Independent Study	Face 2 Face / 1
Spring 2011	EEX 4601 Intro to Behavior Management	Mixed Mode / 32
Spring 2011	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 20
Spring 2011	IDS 7500 Single Case Design	Face 2 Face / 6
Spring 2011	EEX 6908 Independent Study	Face 2 Face / 1
Fall 2010	EEX 6612.0W61 Methods of Behavior Management	Online 30
Fall 2010	EEX 6612.0W62 Methods of Behavior Management	Online / 28
Fall 2010	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 28
Summer 2010	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 27
Summer 2010	EEX 6342 Seminar Critical Issues in Special Ed	Online / 32
Spring 2010	EEX 6297 Assessment, Diagnosis and Curriculum	Online / 26
Spring 2010	EMR 6235 Nature of Severe and Profound Disability	Online / 29
Fall 2009	EEX 6612.0W61 Methods of Behavior Management	Online / 36
Fall 2009	EEX 6612.0W62 Methods of Behavior Management	Online / 27
Summer 2009	EEX 6342 Seminar Critical Issues in Special Ed	Online / 36
Summer 2009	EMR 6235 Nature of Severe and Profound Disability	Online / 23
Spring 2009	EEX 6061 Instructional Strategies Prek - 6	Online / 25
Spring 2009	EEX 6061 Instructional Strategies Prek - 6	Online / 26
Spring 2009	EMR 6235 Nature of Severe and Profound Disability	Online / 23
Fall 2009	EEX 4601 Intro to Behavior Management	Mixed Mode / 14
Summer 2008	EEX 6342 Seminar Critical Issues in Special Ed	Online / 36
Summer 2008	EMR 6235 Nature of Severe and Profound Disability	Online / 23
Spring 2008	EEX 6061 Instructional Strategies Prek - 6	Online / 25
Spring 2008	EEX 6061 Instructional Strategies Prek - 6	Online / 26
Spring 2008	EMR 6235 Nature of Severe and Profound Disability	Online / 23
Fall 2008	EEX 4601 Intro to Behavior Management	Mixed Mode / 14

## Professional & University Service and Governance

### Editorship and Peer Reviews

- Editorial Board Member**
  - Rural and Special Education Quarterly (2012-Present).
  - Journal of Educational Technology & Society (2013-Present).
- Peer Reviewer for:**
  - Journal of Applied Behavior Analysis (2009 - Present).
  - Rural and Special Education Quarterly (2008-2012).
  - Education and Treatment of Children (2008-Present).
  - Journal of Special Education Leadership (2010-Present).
  - Teaching Exceptional Children (2012-Present).
  - Teacher Education and Special Education (2013-Present).
  - Journal of Special Education Technology (2014-Present)
- Invited Reviewer:**
  - Conference Proposal Reviewer for the *American Council on Rural Special Education Conference* (2013).
  - Conference Proposal Reviewer for the *Teacher Education Division Annual Conference* (2012).
  - Conference Proposal Reviewer for the *Council for Exceptional Children Annual Conference* (2011).
  - Journal of Contextual Behavioral Sciences (2012).
  - Focus on Autism and Other Developmental Disabilities

### National Service

- 2016-Present **Council Member:** Universal Design for Learning Credentialing and Certification Initiative
- 2015-Present **Technical Reviewer:** National Science Foundation (NSF)
- 2015-2018 **Member at Large:** Higher Education Consortium for Special Education (HECSE)
- 2018-Present **Technical Reviewer:** Institute for Education Sciences (IES)
- 2018-Present **Treasurer:** Higher Education Consortium for Special Education (HECSE)
- 2012-2016 **Chair of Technology Committee:** Teacher Education Division-Council for Exceptional Children. (TED)
- 2012-2018 **Chair Technology Committee:** American Council on Rural Special Education. (ACRES)
- 2015-Present **Board of Directors and Treasurer** Universal Design for Learning Implementation and Research Network (UDL-IRN)

### State Service

- 2010-Present **Member:** Multi-Cultural and Disproportionality Committee (FLDOE)

### Professional Memberships

- Kansas City Barbeque Society (KCBS)
- Universal Design for Learning Implementation and Research Network (UDL-IRN)
- American Council for Rural Special Education (ACRES)
- Teacher Education Division (TED)
- Higher Education Consortium for Special Education (HECSE)
- Council for Exceptional Children (CEC)

## University of Central Florida

### University Level

- 2018-Present University Budget and Facilities Committee.
- 2017 Faculty Cluster Initiative Readiness Panel
- 2017-Present UCF Hispanic Serving Institution Task Force
- 2017 Pre-proposal review for Office of Research and Commercialization
- 2017 NSF Early Career Award Mentor for Office of Research and Commercialization
- 2016 UCF Vice President of Research Search Committee
- 2015 Faculty Cluster Initiative proposal evaluation panel
- 2013 Search Committee for Director of Student Disability Services
- 2011-2012 Chair: ACT Committee (Americans Disability Act Compliance & Technology Committee)
- 2011-2013 IT Resource Advisory Committee
- 2014-2017 Modeling and Simulation Admissions & Standards Committee

### College Level

- 2019 Learning Sciences Cluster Hire Search Committee
- 2019 Director of School for Teacher Preparation Search Committee
- 2019-Present School of Teacher Education Advisory Council
- 2019 Speech Language Pathology Autism Search Committee # 32192
- 2019 Speech Language Pathology Pediatric Search Committee # 36414
- 2018 Learning Sciences Cluster Hire Search Committee #51922
- 2016 Associate Dean of Research COEHP
- 2015 Dean Search Committee: COEHP
- 2015 Faculty Search Committee Position #37164
- 2014 CFCS Department Chair Search Committee
- 2013-2017 College Instructor/Lecturer Promotion Committee
- 2011 Faculty Search Committee for Position #33155
- 2010-2014 Undergraduate Admissions and Retention Committee
- 2012-2013 Chair: Undergraduate Admissions and Retention Committee
- 2012-2016 Graduate Admissions and Retention Committee
- 2010-2017 College of Education Research Committee
- 2012-2015 Chair: College of Education Research Committee
- 2009-2016 TJEEI Executive Leadership Summit

### Program Level

- 2019 Assistant Director for the TJEEI search committee
- 2019 Project Research Coordinator Project ASD and TJEEI search committee
- 2019 Academic and Behavior Lab Project Coordinator search committee
- 2019 Professor and Executive Director of the Florida Center for Students with Unique Abilities Search Committee
- 2018-Present Exceptional Education Ph.D. Co-Coordinator
- 2016 Professor and Executive Director of the Florida Center for Students with Unique Abilities Search Committee
- 2011 Faculty Search Committee for Position #38719



- 2011 Faculty Search Committee for Position #32336
- 2008-Present Doctoral Search Committee member for incoming doctoral students in exceptional education
- 2009-Present Panelist for School Psychology graduate student interview and admissions
- 2013 Assistant Chair Search Committee
- 2011-Present Association for Doctoral Students in Exceptional Education
- 2009-Present Exceptional Student Education Advisory Committee
- 2009-Present Autism Spectrum Disorder Advisory Committee