

Rebecca Leis, Ph.D.

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EDUCATION

Ph.D. in Modeling and Simulation 2013-2020

College of Sciences

University of Central Florida, Orlando, FL

- Design for Usability Certificate
- Dissertation Title: Natural Language Processing for Domain Modeling in Higher Education
- Overall GPA 3.66

M.S. in Modeling and Simulation 2011-2012

College of Engineering and Computer Science

University of Central Florida, Orlando, FL

- Overall GPA 3.95

B.S. in Psychology

College of Sciences

2007-2011

University of Central Florida, Orlando, FL

- Minor in Anthropology
- Minor in Cognitive Science
- Minor in Sociology
- Behavioral Forensic Certificate
- Overall GPA 3.44

WORK EXPERIENCE

Data Scientist/Grants Manager 3/2023 - present

Immersive Experiences Laboratory (IXL) LLC

- Building data models and visualizations utilizing natural language processing techniques and deploying a web-based dashboard using Python, Jupyter Notebook, Plotly Dash, and MongoDB for a university client investigating equity in healthcare systems.
- Identify grant opportunities related to VR/AR projects, with a specific focus on SBIR funding
- Draft grant application documents including budgeting files, scope of work, and other administrative forms
- Invoice and process institutional client payment documents

Program Manager/Director 2/2021 - present

Full Sail University

- Assists in tracking, monitoring, & implementing university strategic plans
- Helps regularly organize, map, monitor, & execute curriculum changes using several methods including natural language processing (BoW, TF-IDF, LDA, Topic Modeling)
- Evaluates program effectiveness & makes changes within accreditation standards
- Manages a team over to 50 members at various levels (entry, mid-journey, & expert)

- Creates plans for new programs based on industry needs, determined using data-driven, machine learning techniques
- Leads annual accreditation meetings, gathering insight from industry subject matter experts & generating required reports
- Maintain program historical records
- Program Manager/Director for:
 - Computer Science Certificate
 - Computer Science Associate of Science
 - Computer Science Bachelor of Science
 - Computer Science Bachelor of Science - Mobile Development Concentration
 - Computer Science Bachelor of Science - Artificial Intelligence Concentration (former)
 - Computer Science Master of Science
 - User Experience Certificate
 - User Experience Associate of Science
 - User Experience Bachelor of Science
 - Mobile Gaming Master of Science (former)
- Designed courses:
 - UXP3111 - Physiology of Sensation
 - UXP3222 - Psychology of Perception
 - COS650 - Software Project: Research, Planning, and Design
 - COS660 - Software Project: Development I
 - COS670 - Software Project: Development II
 - COS680 - Software Project: Deployment and Professional Presentation

Department Chair
Full Sail University

8/2019 - 2/2021

- Assisted in tracking, monitoring, and implementing university strategic plans
- Helped regularly organize curriculum components
- Served a team of faculty and staff of 17 people
- Refined existing course materials for online environments
- Taught month-long accelerated courses for the Mobile Gaming Online Masters and Computer Science Bachelors programs
- Mentored students in Capstone for the Mobile Gaming Masters and Computer Science Bachelors programs

Course Director
Full Sail University

11/2018 - 8/2019

- Refined existing course materials for online environments
- Taught month-long accelerated courses for the Mobile Gaming Masters and Computer Science Bachelors programs
- Mentored students in Capstone for the Mobile Gaming Masters
- Course Director for:
 - Usability Engineering
 - Mobile Gaming Thesis: Technical Writing and Professional Presentation
 - Applied Human-Computer Interaction
 - Agile Software Development

Instructional Designer/Data Scientist (Contract)
Cubic Corporation

3/2018 - 6/2018

- Developed modular adaptive tutoring components within marksmanship simulation software solution.
- Developed psychophysiological/biometric thresholds for determining cognitive and affective state for virtual reality simulation software solution.

Graduate Research Assistant
University of Central Florida
Institute for Simulation and Training

7/2010 - 3/2018

- Conducted a systematic literature review for the Federal Law Enforcement Training Centers (FLETC) as part of a research project funded by the Department of Homeland Security (DHS) which is looking at appropriate virtual reality systems for use-of-force and coordinated incident command training.
- Contributed to the development of a blended learning system (online course modules and virtual reality head mounted display scenarios) for Schlumberger Oil Rig Down Hole Tool Operation
- Developed a decision support system for the Defense Threat Reduction Agency looking at Secretary of Defense level crisis decision making in response to an unforeseen biological hazard
- Contributed to the task analysis of the Schlumberger Oil Rig Down Hole Tool Operator
- Lead the design and implementation of experimentation for the Nuclear Regulatory Commission (NRC) Human Performance Test Facility (HPTF), which houses a Nuclear Power Plant (NPP) simulator
- Contributed to the creation of NRC regulations and guidelines through various NUREGs, technical reports, and user guides
- Wrote and published refereed journal articles and conference proceedings
- Created a large-scale catalog of Situation Awareness, Workload, and Teamwork (SAWLT) metrics used in the NPP Application Processes
- Contributed to the creation of a large-scale expert system designed to suggest recommendations for NRC reviewers in the Nuclear Power Plant Application Processes to assess appropriateness of the metrics used by Applicants
- Assisted in implementation of the Space, Science, and Spirituality Project; funded by the Templeton Foundation
- Managed IST-UCF SONA-Systems Administrator accounts and monetary participant compensation
- Lead team organizational responsibilities for the Algorithms Physiologically-derived to Promote Learning Efficiency (APPLE)
- Contributed to the creation of the Instructional Strategies Indicator (ISI), a website containing a massive repository of learning techniques
- Completed Collaborative IRB Training Initiative (CITI) - Institutional Review Board (IRB) Training

Research Consultant
Simetri, Inc. (Occasional)

1/2016-Present

- Provided recommendations for experimental design, data analysis, and survey design
- Edited written documents
- Provided detailed statistical analysis of raw data collected by Simetri, Inc.

Technical Writing Internship
Army Research Laboratory
Military Open Simulator Enterprise Strategy (MOSES)

5/2015-10/2015

- Organized coordinated writing and publication efforts
- Edited written documents
- Wrote and published refereed journal articles and conference proceedings

Research Assistant
University of Central Florida Psychology Department

5/2010-1/2011

- Ran experimental sessions using human subjects
- Facilitated the use of eye tracking equipment during studies
- Contributed to research for the Multidisciplinary University Research Initiative (MURI) on team processes and team operational decisions

Research Assistant
University of Central Florida Institute for Simulation and Training

10/2008-7/2010

- Collaborated and composed research papers/articles
- Analyzed statistical data using SPSS specifically data entry, basic analysis, and determining outliers
- Ran experimental sessions using human subjects
- Coded video data
- Organized resources into End Note.
- Conducted literature searches
- Summarized team training, intuition and decision making, simulation and medical training, and simulation-based training articles from library database.
- Dissected articles (i.e., finding operational definitions)
- Transcribed experimental sessions
- Contributed to research on Medial Military Teams processes and operational decisions

Alzheimer's Association
Central Florida Chapter

10/2008-1/2009

- Interacted and participated in weekly support group meetings, which provided assistance and information to patients and caregivers.
- Conducted helpline phone follow up calls
- Researched topics and authored newsletter content articles (topics such as activity tips, preparing for holidays, home safety, legal matters, and communication).
- Organized and entered information into database Regional Support Group Activity Forms.
- Designed newsletter using Microsoft Publisher

PEER-REVIEWED JOURNAL ARTICLES

- Mondesire, S. C., Maxwell, D. B., Stevens, J., & **Leis, R.** (2015) *Resource Allocation Predictive Modelling to Optimize Virtual World Simulator Performance*. Proceedings of the 2015 Workshop of Machine Learning for Predictive Models for Engineering Applications at the 14th IEEE International Conference on Machine Learning and Applications. Miami, FL.
- Stevens, J., Mondesire, S. C., **Leis, R.**, & Maxwell, D. B. (2015). An Empirical Analysis of Virtual World Fidelity's Impact on Simulator Network Performance. *The Journal of Advanced Research in Modeling and Simulation*.

PEER-REVIEWED CONFERENCE PROCEEDINGS

- Reardon, A., **Leis, R.**, Marlowe, T., Canham, M., & Caulkins, B. D. (2018). Understanding the Cybersecurity Workforce: A Skills Assessment for Instructional Guidance. Proceeding of the 58th Annual Interservice/Industry Training, Simulation, and Education Conference. Orlando, FL.
- Caulkins, B. D., **Leis, R.**, Badillo-Urquiola, K., & Bockelman, P. (2016). Cyber workforce development using a behavioral cybersecurity paradigm. Proceeding of Annual International Conference on Cyber Conflict- U.S. Washington, DC.
- **Leis, R.**, Badillo-Urquiola, K. A., Caulkins, B. D., & Bockelman, P. (2016). Modeling and simulation education for behavioral cybersecurity. Proceeding of the 56th Annual Interservice/Industry Training, Simulation, and Education Conference. Orlando, FL.
- Martinez, S. G., Badillo-Urquiola, K. A., **Leis, R. A.**, Chavez, J., Green, T., & Clements, T. (2016). Investigation of multimodal mobile applications for improving mental health. Invited Proceedings of the 18th International Conference on Human-Computer-Interaction. Toronto, Canada.
- Mondesire, S. C., Maxwell, D. B., Stevens, J., & **Leis, R.** (2015) *Resource Allocation Predictive Modelling to Optimize Virtual World Simulator Performance*. Proceedings of the 2015 Workshop of Machine Learning for Predictive Models for Engineering Applications at the 14th IEEE International Conference on Machine Learning and Applications. Miami, FL.
- **Leis, R.** & Reinerman-Jones, L. (2015). *Methodological Implications of Confederate use for Experimentation in Safety-Critical Domains*. Invited Proceedings of the 2015 Applied Human Factors and Ergonomics Conference. Los Angeles, California.
- **Leis, R.**, Reinerman-Jones, L., Mercado, J., Szalma, J., & Hancock, P. (2015). *Workload change over time for nuclear power plant operation tasks*. Proceedings of the 2015 Human Factors and Ergonomic Society Conference. Las Vegas, Nevada.
- Reinerman-Jones, L., D'Agostino, A., Hughes, N., Mercado, J., Sollins, B., & **Leis, R.** (2015). *Workload Associated with Nuclear power Plant Main Control Room Tasks*. Proceedings of the 2015 Human Factors and Ergonomic Society Conference. Las Vegas, Nevada.

- **Leis, R.**, Reinerman-Jones, L., Mercado, J., Barber, D., & Sollins, B. (2014). *Nuclear Power Plant Task Workload Across Repeated Sessions*. Proceedings of the 2014 Human Factors and Ergonomic Society Conference. Chicago, Illinois.
- Mercado, J., Reinerman-Jones, L., Barber, D., & **Leis, R.** (2014). *Investigating Workload Measures in the Nuclear Domain*. Proceedings of the 2014 Human Factors and Ergonomic Society Conference. Chicago, Illinois.
- Lackey, S., Schatz, S., & **Leis, R.** (2011). *Transforming human-robot interaction for greater collaboration: Training in immersive virtual environments*. Proceedings of the 2nd Annual Modeling and Simulation Summit. Orlando, FL
- Weaver, S. J., Diaz-Granados, D., Rosen, M. A., Lyons, R., Robinson, D.W., Augenstein, J.S., Birnbach, D. J., King, H., Rothenberg, P., **Leis, R.**, & Stephens, M. (2009). *Team training for medical military teams: Using simulation to improve teamwork*. Proceedings of the 43rd Annual Interservice Industry Training, Simulation, and Education Conference (I/ITSEC). Orlando, FL

PRESENTATIONS

- Leis, R. (2026). "Is AI Allowed?": Designing Transparent AI-Integrated Assignments. Teaching and Learning with AI Conference. Orlando, FL. <https://teachwithai.sched.com/event/2LVRA/is-ai-allowed-designing-transparent-ai-integrated-assignments>.
- Ludgate, H., **Leis, R.**, De La Cruz, F., Maamar, H., Catto, R. (2021, March). [*Leading Tech and Innovation in Education*](#). Proceeding of the 2021 Synapse Summit, Virtual.
- **Leis, R.**, Badillo-Urquiola, K. A., Caulkins, B. D., & Bockelman, P. (2016). *Modeling and simulation education for behavioral cybersecurity*. Proceeding of the 56th Annual Interservice/Industry Training, Simulation, and Education Conference. Orlando, FL.
- **Leis, R.** & Whalen, P. (2015). *Effective leadership within Graduate-Level RSOs*. Presentation given at the University of Central Florida's Leadership Week, Orlando, FL.
- **Leis, R.** presented on behalf of Stevens, J., Mondesire, S. C., & Maxwell, D. B. (2015). *Human Entities' Effect on Server Performance in Distributed Virtual World Training*. Proceedings of the 2015 Fall Simulation Interoperability Workshop. Orlando, FL.
- **Leis, R.**, Reinerman-Jones, L., Mercado, J., Barber, D., & Sollins, B. (2014). *Nuclear Power Plant Task Workload Across Repeated Sessions*. Proceedings of the 2014 Human Factors and Ergonomic Society Conference. Chicago, Illinois.
- **Leis, R.** (2014) Nuclear Power Plant Task Workload Across Repeated Sessions. *UCF Modeling and Simulation Graduate Program M&S Seminar Series: Dissertation Edition*. Presentation given at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2013). Between-Subjects ANOVA. *ACTIVE Lab Lecture Series*. Lecture conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL

- **Leis, R.** (2014). Time Management and Goal Setting. *Modeling and Simulation Knights (MaSK) Graduate Lecture Series*. Lecture conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL

INVITED ADDRESSES

- **Leis, R.** (2024, July) Generative AI: ChatGPT and It's Underlying Technology and Theory. Address conducted for the Rotary Club of Maitland, FL
- **Leis, R.** (2017, August) Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2016, January) Modeling and Simulation Orientation. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2015, December) Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2015, August) Modeling and Simulation Orientation. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2015, August) Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2015, May) Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R. & Reinerman-Jones, L.E.** (2015, May). Workload Differences across Simulation Interfaces in the Nuclear Power Plant Domain. Department of Defense (DoD) Human Factors and Ergonomics (HFE) Technical Advisory Group (TAG) Bi-annual Meeting 69. Invited address from the Institute of Simulation and Training, Orlando, FL.
- **Leis, R.** (2015, January). Modeling and Simulation Orientation. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2014, December) Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2014, August). Modeling and Simulation Orientation. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2013, August). Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- Reinerman-Jones, L.E. & **Leis, R.** (2014, May) Process for Training Confederates for Experimentation in Complex Domains. Department of Defense (DoD) Human Factors and Ergonomics (HFE) Technical Advisory Group (TAG) Bi-annual Meeting 68. Invited address from U.S. Army, Human Research and Engineering Directorate Mission Training Facility, Aberdeen Proving Grounds, MD.
- **Leis, R.** (2014, May). Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2014, January). Modeling and Simulation Orientation. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL

- **Leis, R.** (2013, December). Modeling and Simulation Graduation Ceremony. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL
- **Leis, R.** (2013, August). Modeling and Simulation Orientation. Address conducted at the Institute for Simulation and Training, University of Central Florida, Orlando, FL

MEDIA COVERAGE

- Orlando Magazine Staff (2024). 2024 Orlando Faces of Tech Spotlights full Sail University. *Orlando Magazine*. Retrieved from <https://www.orlandomagazine.com/2024-orlando-faces-of-tech-spotlights-full-sail-university/>
- Warmoth, Justin (2023). Understanding The World of Artificial Intelligence and Its Future Impacts: Dr. Rebecca Leis joins anchor Justin Warmoth on “The Weekly”. ClickOrlando.com. Retrieved from: <https://www.clickorlando.com/news/local/2023/03/05/understanding-the-world-of-artificial-intelligence-and-its-future-impacts/>
- Orlando Magazine Staff (2023). Rebecca Leis, PhD Full Sail University: Women who move the city. *Orlando Magazine*. Retrieved from <https://www.orlandomagazine.com/rebecca-leis-phd-with-full-sail-university-women-who-move-the-city/>
- Glass, D. R. (2015). UCF’s **Leis** wins NCS scholarship; enjoying academia life in Orlando. *Strengthening the Warfighter through Simulation*. Retrieved from <http://www.teamorlando.org/ucfs-leis-enjoying-academia-life-in-orlando-the-worlds-epicenter-for-modeling-and-simulation/>
- **Leis, R.** & Boyce, M. (2013). Life beyond the award: Updates on 2012 student award winners. *AugCog Technical Group Newsletter*, 6(1), pp. 1 & 5.

MEDIA CONTRIBUTOR

- **Leis, R.** (2016) Rebecca Leis-M&S Videos. Retrieved from https://www.youtube.com/channel/UC4QWk1h5tz_YUcYgYFadWTw
- **Leis, R.** & Schwartz, M. (2014). Cross Training: How Modeling and Simulation can Strengthen Human Factors. *AugCog Technical Group Newsletter*, 7(1).
- **Leis, R.** & Boyce, M. (2013). Life beyond the award: Updates on 2012 student award winners. *AugCog Technical Group Newsletter*, 6(1), p. 5.

GRADUATE TEACHING EXPERIENCE

Graduate Teaching Assistant- IDS 5937 Modeling and Simulation for Instructional Design 2016
University of Central Florida, Orlando, FL

- Duties:
 - Assisted in re-designing course (formally DIG 5875C Introduction to Modeling and Simulation)

- Assisted in grading course assignments

**Graduate Teaching Assistant Grader- EIN 6258 Human-Computer Interaction 2013
University of Central Florida, Orlando, FL**

- Duties:
 - Assisted in grading course assignments

CAPSTONE ADVISOR

Main Advisor/Chair

- Carolynn Allen – Parallel (Mobile Gaming MS)
- [Precious Navarro](#) – Rad-ish Cookbook (Mobile Gaming MS)
- [Matt Martnick](#) – Artificial Nocturne (Mobile Gaming MS)
- Elizabeth Smith – Drac Racers (Mobile Gaming MS)
- [Keith Rosenberg](#) – Ready Tabletop (Mobile Gaming MS)
- Ryan Dirks – Right Left Grand (Mobile Gaming MS)
- Armando Harris - Scream Launch (Mobile Gaming MS)
- [Roberto Hilsaca Castro](#) – Hill Bomb Roller (Mobile Gaming MS)
- [Jason Amidan](#) - Eco Assault (Mobile Gaming MS)
- [Calistro Veyra](#) – Side Jobs (Computer Science BS)

TECHNICAL SKILLS AND EXPERIENCE

Project Management Software

- Jira
- Trello
- Notion

Psychophysiological Equipment

- Electroencephalogram (EEG): Advanced Brain Monitoring, B-Alert System
- Electrocardiogram (ECG): Advanced Brain Monitoring, B-Alert System
- Functional near infrared imaging (fNIR): Somanetics, INVOS Oximeter System
- Transcranial Doppler (TCD): Spencer Technologies, ST³ System
- Electrooculogram (EOG): Seeing Machines, faceLAB 5

Programming Languages

- Python
- SQL
- C++
- R

Libraries

- NumPy
- Pandas
- SciKit-Learn
- Matplotlib

Integrated Development Environments

- Anaconda/Jupyter Notebook
- Visual Studio

- Anaconda/Spyder
- RStudio

Statistics Software

- IBM SPSS Statistics Software
- Minitab Statistics Software

Simulation Software

- AnyLogic
- Arena Simulation Software
- Presagis Terra Vista,
- Presagis FlightSIM

Office Software

- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Project
- Microsoft Publisher
- Microsoft Access

CERTIFICATIONS

Preparing for Tomorrow's Faculty- University of Central Florida, Orlando, FL 2014

- Certified GTA Grader, GTA Assistant, and Instructor of Record

Graduate Grantsmanship- University of Central Florida, Orlando, FL 2016

- Workshops:
 - Research Funding Sponsors and Resources
 - Steps to Research Proposal Development and Collaboration
 - Tips for Grant Proposal Writing
 - Budget Development
 - Awards Management

HONORS AND AWARDS

- [2024 Best Higher Education Leader-](#) EdTech Leadership Awards
- **Graduate Assistantship-** Awarded by the Institute for Simulation and Training-Fall 2017, Spring 2018
- **Graduate Assistantship-** Awarded by the Modeling and Simulation Department in Fall 2016-Summer 2017
- **Graduate Student Representative** for the Modeling and Simulation Graduate Program Seven Year Review Meeting- 2015
- **Order of the Pegasus Award-** Fall 2015 Modeling and Simulation Department Nominee
- **UCF Alumni 30 Under 30 Award-** 2015 Candidate
- **UCF Alumni 30 Under 30 Award-** 2015 Nominee
- **Graduate Assistantship-** Awarded by the Modeling and Simulation Department in Fall 2015-Summer 2016
- **Order of the Pegasus Award-** Fall 2014 Doctoral Candidate

- **Order of the Pegasus Award-** Fall 2014 College of Graduate Studies Nominee
- **Order of the Pegasus Award-** Fall 2014 Modeling and Simulation Department Nominee
- **Vince and Beth Amico Scholarship Award Winner-** Awarded by the National Center for Simulation in November of 2014
- **Graduate Student Representative** for the Modeling and Simulation Graduate Program Annual Review Meeting- 2014
- **Conference Registration and Travel Allocation-** Awarded by Student Government Association in August 2014
- **Presentation Travel Award-**Awarded by the UCF Graduate Student Association in July 2014
- **Order of the Pegasus Award-** Fall 2013 Modeling and Simulation Department Nominee
- **Graduate Assistantship-** Awarded by the Modeling and Simulation Department in Fall 2013-Summer 2014
- **Graduate Assistantship-** Awarded by the Institute for Simulation and Training in 2012, Fall 2014, Spring 2015, Summer 2015
- **Student Grant Award-** Awarded by the Human Factors and Ergonomic Society - Augmented Cognition Technical Group-2012
- **Dean's List** – Fall 2007, Fall 2008, Spring 2010, Summer 2010, and Fall 2010
- **Florida Bright Futures Scholar-**2007-2011
- **International Baccalaureate Scholar-**2003-2007

ACTIVITIES AND SERVICE

- Graduate Fair- **Student Volunteer Promoter for the Modeling and Simulation Graduate Programs-**2017
- Claflin University Modeling and Simulation for Training Tour- **Student Representative/Speaker** discussing Modeling and Simulation Graduate Education and Careers- 2017
- Modeling and Simulation Knights (MaSK) **Student Open-Panel Co-Coordinator-** 2017
- Modeling and Simulation Knights (MaSK) **Distinguished Member-** 2017
- Modeling and Simulation Knights (MaSK) **President-** 2014-2016
- Modeling and Simulation Knights (MaSK) **Scholarship Committee Member-** 2015-2016
- WISE/NCS/MaSK Mentoring Program- **Organizer and Mentee-** 2015
- Graduate Fair- **Student Volunteer Promoter for the Modeling and Simulation Graduate Programs-**2015
- National Center for Simulation Fall Membership Night- **Volunteer-**2015
- Modeling and Simulation Knights (MaSK) **Scholarship Committee Member-** 2014-2015
- The Society for Modeling and Simulation International- UCF Student Chapter **President-**2013-2016
- Human Factors and Ergonomics Society Augmented Cognition **Student Outreach Officer-** 2015
- National Center for Simulation and Lou Frey Institute Charity Golf Tournament- **Volunteer-**2015
- Knights Helping Knights ACTIVE Lab/IST Food Drive- **Committee Chair-**2014
- Graduate Fair- **Student Volunteer Promoter for the Modeling and Simulation Graduate Programs-**2014
- Human Factors and Ergonomics Society Augmented Cognition **Assistant News Letter Editor-** 2014
- Human Factors and Ergonomics Society Augmented Cognition **Student Reviewer-** 2014
- Knights Helping Knights Pantry- **Volunteer-** Fall 2014
- Modeling and Simulation Knights (MaSK) **Vice President-** 2013
- Human Factors and Ergonomics Society Augmented Cognition **Assistant News Letter Editor-** 2013
- Dress for Success Greater Orlando – **4th Annual Cupcake Challenge Committee Member-**2013
- Exploring Awe and Wonder: Interdisciplinary Conference funded by the Templeton Foundation (September 6th-7th)- **Volunteer** - 2013
- Junior Achievement-2008

ADDITIONAL AFFILIATIONS

- Interaction Design Foundation Member - 2023
- Women in Tech and Entrepreneurship Member - 2023
- Orlando Women for Good Member - 2022-2023
- Project Management Institute Student Member – 2016-2017
- Human Factors and Ergonomics Society Student Affiliate Membership -2012-2014
- Women in Defense Student Affiliate Membership -2011-2014
- National Defense Industrial Association Student Affiliate Membership - 2011-2014
- Psi Chi Student Affiliate Membership -2009-2015
- American Psychological Association Student Affiliate Membership – 2009-2011
- Student Undergraduate Research Society Member-2010

INDEPENDENT COURSEWORK

- Interactive Simulation (EIN 5255C)
- Human Computer Interaction (EIN 6258)
- Discrete Systems Simulation (ESI 5531)
- Simulation Research Practicum (IDS 6916)
- Experimental Design and Taguchi Methods (ESI 6247)
- Philosophy of Neuroscience (PHI 5329)
- Physiological Psychology (PSB 5005)
- Ergonomics (EIN 5248C)
- Project Engineering (EIN 5140)
- System Safety Engineering and Management (EIN6215)
- Human Cognition and Learning (EXP 6506)
- Environment of Technical Organizations (EIN 5108)
- Modeling and Simulation Systems (IDS 6146)
- Human Factors I (EXP 5256)
- Quantitative Aspects of Modeling and Simulation (IDS 5719)
- Technological Entrepreneurship (GEB 5516)
- Simulation Techniques (IDS 6145)

CONTINUING EDUCATION

- Agile Software Development: Kanban for Developers – Lynda.com **2019**
- Agile Software Development – Lynda.com **2019**
- Elearning Essentials: Storyboarding – Lynda.com **2019**
- Teaching Techniques: Writing Effective Learning Objectives – Lynda.com **2018**
- Interaction Design Foundations – Lynda.com **2018**
- Graphic Design Careers: First Steps – Lynda.com **2018**
- Teaching Techniques: Developing Curriculum – Lynda.com **2018**
- Become an Instructional Designer – Lynda.com Learning Path
 - The Neuroscience of Learning – **2018**
 - Instructional Design: Working with SMEs – **2017**
- Fundamentals of Quantitative Modeling (Course 1 in Business Financial Modeling on Coursera,com) – University of Pennsylvania **2017**
- Programming Foundations: Fundamentals – Lynda.com **2017**

- Essentials of Webcourses@UCF (Extreme) – University of Central Florida, Orlando, FL **2016**
- Introduction to Digital Photography – Orange County Library Alafaya Branch **2015**
- Introduction to Computer Programming – Orange County Library Alafaya Branch **2015**
- Project Management Overview – LearnSmart **2015**
- Managing Projects within Organizations – LearnSmart **2015**
- Project Management Process Groups – LearnSmart **2015**