

# Jenny Autumn Walker

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## Education

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- Bachelor's of Science in Psychology** Expected Spring 2016  
University of Central Florida College of Sciences  
Burnett Honors College
- Bachelor's of Science in Biology** Expected Spring 2016  
University of Central Florida College of Sciences  
Burnett Honors College
- Study Abroad** Summer 2012  
University of Central Florida Psychology Department  
Costa Rica & Panama

## Unpublished Undergraduate Thesis

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Walker, J.A. (in progress). The direct and indirect costs of vigilance: An examination of individual differences in working memory capacity, error-related negativity, mind wandering, cognitive load, and cognitive need. (Unpublished Undergraduate Thesis). University of Central Florida, Orlando, FL.

## Research Experience

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- Career Advancement and Mentoring Program for Young Entrepreneurs & Scholars** 2014-present  
Funded by the National Science Foundation (\$2,800/semester)  
Human Factors/Engineering/Psychology Research Track  
Advisor: Dr. Peter Hancock, Ph.D.
- Ronald E. McNair Scholar** 2013-present  
University of Central Florida
- MIT<sup>2</sup> Laboratory Coordinator** 2013-present  
Advisor: Dr. Peter Hancock, Ph.D.  
Organizing research team schedules, providing a point of contact between research personnel, conducting interviews, and organizing social events to promote lab culture.
- Purdue University Summer Research Opportunity Program Participant** Summer 2014  
Purdue Applied Cognition Laboratory  
Advisor: Dr. Thomas Redick, Ph.D.  
Built and ran a working memory research project, completed a multidisciplinary workshop series, and reported the study's findings through a poster presentation at a regional conference.
- Research Assistant** 2012-present  
University of Central Florida MIT<sup>2</sup> Human Factors Laboratory  
Advisor: Dr. Peter Hancock, Ph.D.  
Conducting literature reviews, building stimuli for experiments, writing research protocols, interacting with human participants, collecting data, coding and analyzing data, and presenting findings at conferences.
- Applied Cognition and Technology (ACAT) Laboratory 2014-present  
Advisor: Dr. Valerie Sims, Ph.D. & Dr. Matthew Chin, Ph.D.  
Operating and managing eye tracking equipment, designing and building stimuli, and coding data.
- University of Central Florida Industrial-Organizational Psychology Laboratory 2012-2013  
Dr. Barbara Fritzsche Ph.D.  
Led a team through the use of new software programs and conducted literature reviews.

## Paper & Poster Presentations

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- Walker, J.A.**, Xanthopoulos, P., Karwowski, W., Hancock, P.A., Sawyer, B. D. (April 2015). *Interpreting Electroencephalography Output for Error-Related Negativity*. Paper presented at the 8<sup>th</sup> annual Student Conference on Human Factors and Applied Psychology, Daytona Beach, FL.
- Walker, J.A.**, Redick, T.S. (April 2015). *Individual Differences in Working Memory Capacity and Reading Comprehension of Electronic Texts*. Poster presented at the 8<sup>th</sup> annual Student Conference on Human Factors and Applied Psychology, Daytona Beach, FL.
- Walker, J.A.**, Xanthopoulos, P., Karwowski, W., Hancock, P.A., Sawyer, B. D. (April 2015). *Qualitative Analysis of Event-Related Potential EEG Data*. Poster presented at the University of Central Florida's Annual Showcase of Undergraduate Research Excellence, Orlando, FL.
- Coles, N., **Walker, J.A.**, Torres, M., Sims, V. K. (April 2015). *Judgments of Animal Emotionality: An Evaluation of Visual Fixation Patterns*. Poster presented at the University of Central Florida's Annual Showcase of Undergraduate Research Excellence, Orlando, FL.
- Walker, J.A.** Diaz, D., Sawyer, B. D., Finomore, V., Funke, G., Hancock, P.A. (April 2014). *Can You Think Through The Boredom? An Examination of Executive Functioning in Cyber Defense Vigilance Tasks*. Poster presented at the 7<sup>th</sup> annual Student Conference on Human Factors and Applied Psychology, Daytona Beach, FL.
- Diaz, D.A., **Walker, J.A.**, Finomore, V., Funke, G., Sawyer, B.D., & Hancock, P.A., (2014, April). *Personality Impact on Vigilance Performance*. Poster presented at the University of Central Florida's Annual Showcase of Undergraduate Research Excellence, Orlando, FL.
- Walker, J. A.**, Perkins, S., Sawyer, B. D., Hancock, P.A. (April 2014). *Placement of faceLAB5 Eye Tracking Equipment*. Poster presented at the University of Central Florida's Annual Showcase of Undergraduate Research Excellence, Orlando, FL.
- Walker, J. A.**, McPeak, B., Perkins, S., Fishburn, D., Tungate, A., Stafford, S., Sawyer, B.D., & Hancock, P.A. (March 2014). *Event Labeling in the Context of Weapon Discrimination*. Poster presented at the 60<sup>th</sup> annual meeting of the Southeastern Psychological Association, Nashville, TN.
- Walker, J.A.**, McPeak, B., Perkins, S., Fishburn, D., Tungate, A., Stafford, S., Sawyer, B.D., & Hancock, P.A. (February 2014). *The Impact of Event Labeling in the Context of Weapon Discrimination*. Poster presented at Florida International University's Florida Undergraduate Research Conference, Miami, FL.

## Community Involvement & Teaching Experience

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| <b>Peer Mentor</b>   | Summer 2015-present |
| University of Central Florida Office of Undergraduate Research (OUR)<br>Supervisor: Kimberly Schneider, Ph.D.<br>Mentoring students who want to join laboratories or conduct independent research projects, designing informational materials for campus resources, and assisting with the research conference coordination. |                     |
| <b>Teaching Assistant</b>  | Summer 2015         |
| Cognitive Psychology (EXP 3604C)<br>Advisor: Dr. Valerie Sims, Ph.D.<br>Building study guides, leading review sessions, and answering student questions.   |                     |
| <b>Achieve a College Education Day Volunteer</b>   | 2013-present        |
| Burnett Honors College<br>Promoting college access for students from Title 1 elementary schools through tours of the UCF campus.   |                     |
| <b>Honors Educational Reach Out Volunteer</b>  | 2013-2014           |
| Burnett Honors College<br>Organizing the Cheney Elementary School's Afterschool Science Club to promote STEM education and college access.   |                     |

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| <b>AmeriCorps College Access Volunteer</b>  | 2012-2013 |
| Provided 300 hours of tutoring and college access and STEM science support to low income middle and high school students.   |           |
| <b>University of Central Florida Volunteer</b>  | 2012-2013 |
| Knights Helping Knights Pantry<br>Stocking shelves, taking inventory of food donations, and making cookbooks for students who rely on nonperishable food items.   |           |
| <b>Youth Education Mentor &amp; Tutor</b>   | 2009-2010 |
| Girl Scouts of Citrus Counsel at Memorial Middle School<br>Mentoring young girls from low income areas of Orlando, and leading workshops designed to assist them in developing beneficial life skills and positive self-concepts. |           |

## Professional Development

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| <b>Registered Student Organization President</b>  | May 2014-present |
| American Psychological Association's Division 21 Student Chapter<br>University of Central Florida   |                  |
| <b>Writing Assistant</b>  | 2013-2014        |
| Inhumanfactors.com (website managed by Benjamin D. Sawyer)<br>Locating examples of innovative, interesting research taking place in the scientific community, and writing summaries of that information for more general audiences. |                  |
| <b>LEAD Scholar</b>   | 2011-2012        |
| University of Central Florida<br>Further developed my leadership abilities and applied them within the wider community through service learning initiatives.  |                  |
| <b>Summer Research Academy Attendee</b>   | Summer 2012      |
| University of Central Florida Office of Undergraduate Research  |                  |
| <b>Conference Planner &amp; Coordinator</b>   | March 2012       |
| University of Central Florida<br>Multicultural Psychological Student Association's 2nd Annual Graduate School Conference  |                  |
| <b>Registered Student Organization Treasurer</b>  | 2011-2012        |
| Multicultural Psychological Student Association   |                  |

## Professional Affiliations

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Society for the Advancement of Hispanics/Chicanos and Native Americans in Science  
 American Psychological Association Division 21 Student Member  
 Southeastern Psychological Association Student Member  
 Phi Eta Sigma National Honors Society  
 Multicultural Psychological Student Association  
 University of Central Florida Psychological Society  
 National Society of Collegiate Scholars

## Technical Skills

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- Microsoft Office
- SPSS
- I-SIM PatrolSim Driving Simulator
- B-Alert X-10 Series EEG System
- IWORX
- Apple iMovie
- MATLAB
- MATLAB EEGLAB
- faceLAB 5 eye tracking system
- Qualtrics
- SONA research participation system
- Adobe Photoshop
- Tobii TX300 eye tracking system
- Gazepoint eye tracking system

## **Honors & Awards**

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2015 Human Factors & Applied Psychology Conference Award for Excellence in Undergraduate Presentation, \$75

2015 University of Central Florida Office of Undergraduate Research Group Grant (lead author), \$1000

2014 Burnett Honors College Travel Award, \$25

2014 University of Central Florida Student Government Association's Travel Award, \$200

2014 University of Central Florida Office of Undergraduate Research Travel Award, \$300

2014 Burnett Honor's College HERO of the Semester volunteer award

2013 UCF Scholars Award

2013 Eli Segal Education Award, \$1212.44

2011-2012 LEAD Scholars honorarium

2011 First Year Academic Scholar

2011-2015 Florida Bright Futures Academic Scholarship, \$12,500

2010-2014 University of Central Dean's List (8 Semesters, 2 during dual enrollment)