

Megan A. Bayles
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EDUCATION

Bachelor of Arts and Science with Honors in Psychology May 2017
Minor: Statistics
Florida State University
Phi Sigma Theta National Honor Society

Master of Science August 2018 - Present
Specialization: Health Technology
University of Illinois at Urbana-Champaign

EXPERIENCE

Research Assistant May 2017 – May 2018
Florida State University CREATE Lab
Mind Frontiers a cognitive adherence study; Comparative Effectiveness a brain training study; and PRISM a study to implement technology to aid socially isolated older adults

- Manage multi-site projects
- Participate in the production of lab research and operate multiple studies
- Implement new technology for older adults to promote social connection and emotional wellbeing
- Schedule staff to attend multi-session cognitive batteries
- Collect data and present findings to principle investigators
- Presented at the University Transportation Center conference

Lab Coordinator July 2016 – May 2017
Florida Department of Transportation Research Lab, Florida State University
Research to design and implement tip cards to educate older adult drivers on road signs and signals according to a human factor check list

- Inspected aspects of different road signals to determine profitable changes
- Participated in the development and implementation of unit procedures and work methods
- Provided technical guidance with eye tracking and other technologies and the use of equipment and techniques
- Maintained computerized information systems, such as Excel, Qualtrics and Sona as well as participates in their development

Presentations

- *University Transportation Center Conference*
2017 Florida Department of Transportation
ADAPTS Lab

November

Honors Thesis
2017

Fall 2016 – Spring

Florida State University Boot Lab

Title: Malleability of Measures of Cognitive Ability

Director: Dr. Walter Boot

- Designed research that investigated brain training theories in relation to improving cognitive abilities, and improved performance should be associated with less effort required to obtain similar scores
- Pupil size was used as the index of effort
- Analyzing pupillary dilation data to evaluate performance, effort, and motivation in order to investigate existing paradigms
- Data collected from the eye-tracker was analyzed using Statistical Analysis System computer language

Undergraduate Research Assistant
2017

August 2015 – May

Directed Independent Study - Dr. Walter Boot's Lab, Florida State University

- Investigated aspects of cognition in relation to attention, training and complex skill acquisition
- Operated the graduate student studies by advising participants on how to proceed through the experiment
- Organized and chart critical information for graduate work on visual search and cognitive attention research
- Collaborated with graduate students on possible methods to improve research design
- Executed literary searches at the request of the graduate students

Undergraduate Research Assistant
2016

January 2016- April

Directed Independent Study - Dr. Brad Schmidt's Lab, Florida State University

- Examined ways to confront PTSD to lessen chronic symptoms
- Logged all tracking information recorded on Qualtrics and showed mastery of the program
- Evaluated PTSD level in participants to confirm eligibility for the study
- Prepared Structured Clinical Interview for Diagnostic and Statistical Manual of Mental Disorders packets

Professional and Personal References Available Upon Request