

# Piper Lyons

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Gainesville, FL

## EDUCATION

**Bachelor of Science** in Psychology - Behavioral Cognitive Neuroscience 12/2024  
University of Florida | Gainesville, FL GPA: 3.7/4.0

Relevant Coursework: Behavioral Cognitive Neuroscience 1, Statistics 2, Behavioral Neuroscience, Neurobiology of Substance Abuse, Cognitive Psychology, Abnormal Psychology, Psychological Lab Methods, Integrated Principles of Biology 2, Sensory Processes (with lab)

## WORK HISTORY

### Lab Manager

Social-Cognitive and Affective Development Lab, Univ. of Florida 02/2025 - Current

- Project management, including protocol development and piloting, participant recruitment and compensation, data collection in the form of cognitive testing and neuroimaging, and data analysis
- Running study sessions that involve fMRI, behavioral and cognitive measures, physiological recording, and guided training using real-time neurofeedback
- Oversee daily lab operations, supervise research assistants, facilitate efficient communication between research assistants, graduate students, and the principal investigator

### Gymnastics Instructor

Sun Country Sports Center, Gainesville, FL 09/2021 - Current

- Instruct levels of gymnastics and tumbling from beginners to advanced
- Recognized as employee of the month
- Prepare weekly lesson plans for several different classes, specialized clinics, and meets

### Childcare Provider

Touroo Family, Gainesville, FL 05/2020 - 08/2020

- Supervised children aged three and nine over 40 hours a week
- Coordinated daily schedules and outings and prepared daily meals
- Managed pets and household

## RESEARCH EXPERIENCE

## Research Volunteer

National Neuropsychology Network, Univ. of Florida Site 06/2024 - Current

- Gained experience with data entry and management, specifically cognitive batteries and post-exam diagnoses
- Gained extensive knowledge about specific batteries of clinical neuropsychological tests

## Research Assistant

Social-Cognitive and Affective Development Lab, Univ. of Florida 08/2023 - 02/2025

- Assisted with the development and execution of several different research projects
- Prepared participants for fMRI scans and assisted with cognitive testing during the scan
- Recruited, screened, and onboarded research participants
- Gained experience with coding and programming (PsychoPy, R, and SPSS), piloting studies, and preprocessing physiological data
- Learned how to write abstracts, analyze psychological data, and present research

## TEACHING EXPERIENCE

### Teaching Assistant

Concepts & Methods in Lifespan Developmental Research, Univ. of Florida 08/2024 - 12/2024

- Monitored graduate student attendance and in-class participation
- Assisted with organizing and creating the syllabus and course website

## PRESENTATIONS

Lyons, P., El-Shafie, D., Horta, M., Lin, T., Ebner., N.C., (November 2024). *Loneliness-Moderated Effects of Chronic Pain on Analytical Reasoning*. Poster at the Fall Undergraduate Research Symposium in Gainesville, FL.

Lyons, P., El-Shafie, D., Horta, M., Lin, T., Ebner., N.C., (April 2024). *Loneliness-Moderated Effects of Chronic Pain on Analytical Reasoning*. Poster at the Pain Research Day in Gainesville, FL.

Lyons, P., El-Shafie, D., Horta, M., Lin, T., Ebner., N.C., (April 2024). *Loneliness-Moderated Effects of Chronic Pain on Analytical Reasoning*. Poster at the Psychology Undergraduate Research Forum in Gainesville, FL.

Hayes, A., Lin, T., Alluri, M., Faulkner, R., **Lyons, P.**, Arnold, D., Lighthall, N., Ebner, N. C., (May 2025). *Novel real-time fMRI neurofeedback training to enhance trust-related decision making in aging*. Poster at the Florida Consortium on the Neurobiology of Cognition in Orlando, FL.

## AWARDS & HONORS

Graduated with magna cum laude distinction	12/2024
Spring 2024 Dean's List, College of Liberal Arts and Sciences, University of Florida	05/2024
Bright Futures Florida Academic Scholarship	06/2021

## WORKSHOPS/TRAINING

Montreal Cognitive Assessment Training and Certification	02/2025
Automated Cognitive Assessments with EEG and AI Workshop with Dr. Keith Yoder	02/2025
Computational Modeling of Behavioral Data Workshop	05/2024
General Magnetic Resonance Safety Training	10/2023
CPR and First Aid Certification	10/2023

## MEMBERSHIP

Psi Chi, The International Honor Society in Psychology	10/2023 -12/2024
Neuroscience Club, University of Florida, Gainesville, FL	09/2023 -12/2024
Psychology Club, University of Florida, Gainesville, FL	01/2023 -12/2024

## SKILLS

**Software:** PsychoPy, R (basic proficiency), MATLAB (basic proficiency), SPSS, Qualtrics, REDCap, OnBase

**Data collection:** fMRI setup and administration, administration of behavioral and cognitive assessments (MoCA, TICS, BTACT, etc), PPG and EDA recording and preprocessing, obtaining and preprocessing eye tracking data