

CURRICULUM VITAE

Zoe E. Steelman

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EDUCATION

2022 - 2025

Florida State University, Tallahassee, FL

B.S. Cell and Molecular Neuroscience, Chemistry Minor

Dual Honors: University Honors and Honors in the Major Distinction*Honors Thesis:* Analysis of Social Anxiety Disorder Subtypes in Response to Approach-Avoidance Task*Thesis Advisor:* Dr. Justin Riddle**RESEARCH EXPERIENCE**

2023-Present

Riddle Cognitive Control Lab, Florida State University

Cognitive Neuroscience Applied to Psychiatric Research

PI: Justin Riddle, PhD

Lab Manager

- Coordinated registered national clinical trials and supported regulatory compliance efforts, including IRB protocol maintenance, participant recruitment, data collection and documentation, adverse event reporting, and data management

Study Coordinator

- Provided mentorship and training to undergraduate researchers, fostering skill development and research proficiency
- Administered clinical interviews under the supervision of licensed clinical psychologist Dr. Thomas Joiner (PY6675): Mini-International Neuropsychiatric Interview (M.I.N.I.), Hamilton Depression Rating Scale (HAM-D), Liebowitz Social Anxiety Scale (LSAS-CR)
- Facilitated behavioral activation exercises with participants during concurrent transcranial electrical stimulation (tES) sessions

Research Supervisor

- Completed an Honors Thesis investigating approach and avoidance behaviors in relation to symptom subdimensions of Social Anxiety Disorder
 - Supervised experimental sessions for NIMH-funded clinical trials involving novel brain stimulation interventions, ensuring protocol adherence and study integrity
- NCT06132581; NCT06126809

Undergraduate Research Assistant

- Administered transcranial random noise stimulation (tRNS) to participants as part of non-invasive brain stimulation protocols
- Collected and monitored high-density EEG data using a 96-channel actiCAP system

- Managed and organized self-report questionnaire data and participant demographic information using Qualtrics and Excel
- Recruited participants, including individuals from clinical populations, and evaluated eligibility based on study criteria

2023-2024

Storace Biomedical Research Lab, Florida State University

Biomedical Neuroscience Research focused on the Olfactory Bulb

PI: Douglas Storace, PhD

Undergraduate Research Assistant

- Operated a vibratome to prepare high-quality neural tissue sections
- Conducted an independent research project mapping Melanin-Concentrating Hormone (MCH) expression in the olfactory bulb

CLINICAL EXPERIENCE

2024-2025

Surgical Care Unit, Tallahassee Memorial Healthcare

Regional Hospital

Unit Secretary

- Coordinated patient room assignments by assessing resource availability, surgeon preferences, and individual patient needs
- Prepared and reviewed surgical patient charts to ensure accuracy and readiness prior to procedures
- Fostered a supportive and compassionate environment for patients
- Managed the timely and efficient transport of patients within the facility

PUBLICATIONS IN PREPARATION

McDermott, T.J.*, **Steelman, Z.***, Jackson, L.E., Bowyer, C.B., Updua, N.S., Rice, T.B., Campione, M., Joiner, T.E., Frolich, F., Cavanagh, J.F., Riddle, J. (In Prep). Delta oscillations support medial-lateral prefrontal integration for reward-responsive goal-directed behavior.

*Denotes Equal Contribution

HONORS AND AWARDS

Spring 2025

FURC Travel Award, Florida State University

2022

Florida Bright Futures Academic Scholarship, State of Florida

2022-2025

Vires Scholarship, Florida State University (\$12,000)

Spring 2023-Spring 2025

Dean's List, Florida State University

Fall 2022

President's List, Florida State University

Spring 2022

Commended Scholar, National Merit Scholarship Corporation

PROFESSIONAL AFFILIATIONS

2022-Present	NuRhoPsi National Neuroscience Honor Society , Treasurer <i>Treasurer 2024-2025</i> <i>Member 2022-2025</i>
2023-Present	Phi Eta Sigma National Honor Society , Member
2023-Present	Omicron Delta Kappa National Leadership Honor Society , Member
2025-Present	The 1910 Honorary , Member

PRESENTATIONS

Steelman, Z., McDermott, T.J., Bowyer, C., Joiner, T., Riddle, J., (2026, May). *Prefrontal Delta Coherence underlies Reward-Responsive Goal-Directed Behavior*. Poster presented at Florida Consortium on the Neuroscience of Cognition Conference.

Brown, M., **Steelman, Z.**, Jackson, L.E., Joiner, T., Riddle, J., (2026, March). *Structural and Behavioral Correlates of Anhedonic Depression: A Voxel Based Morphometry Investigation*. Poster presented at Florida State University, Undergraduate Research Symposium.

Lang, D., **Steelman, Z.**, Shwartzman, B., Riddle, J., (2026, March). *Theory of Mind on Working Memory in Late Adolescence and Emerging Adulthood*. Poster presented at Florida State University, Undergraduate Research Symposium.

Marks-Shafton A., Carlson, M.O., **Steelman, Z.**, Joiner, T., Riddle, J., (2026, March). *Substance use symptoms and effort-based decision making in Anhedonic Depression*. Poster presented at Florida State University, Undergraduate Research Symposium, and Psychology Department Undergraduate Research Day.

McDermott, T.J., **Steelman, Z.**, Joiner, T., Riddle, J., . (2026, Jan). *Prefrontal Delta Dynamics Support the Translation of Reward Value into Goal-directed Behavior in Major Depressive Disorder*. Poster presented at American College of Neuropsychopharmacology Conference.

Steelman, Z., Jackson, L.E., Wu, Z., Li, W., Joiner, T., Riddle, J., (2025, April). *Examining Social Anxiety Disorder symptom dimensions with social judgment approach-avoidance task*. Poster presented at Florida State University, Psychology Department, Open House.

Steelman, Z., Jackson, L.E., Wu, Z., Li, W., Joiner, T., Riddle, J. (2025, April). *Behavioral responses to social judgment approach-avoidance task within symptom dimensions of Social Anxiety Disorder*. Poster presented at Florida State University, Undergraduate Research Symposium.

Steelman Z., Jackson, L. E., Wu, Z., Li, W., Joiner, T., Riddle, J. (2025, Feb). *Investigation of Social Anxiety Subdimensions in Response to the Approach-Avoidance Task*. Poster presented at the annual Florida Undergraduate Research Conference.

Riddle, J., Jackson, L.E., **Steelman, Z.**, Wu, Z., Li, W., Joiner, T. (2024, Oct.). *Investigating the neural basis of social anxiety disorder using a novel social judgment approach-avoidance task*. Poster presented at the annual meeting of the Society for Psychophysiological Research, Prague, Czech Republic.

Jackson, L. E., **Steelman, Z.**, Wu, Z., Li, W., Joiner, T., Cescato, C., Riddle, J. (2024, Oct.). *Investigating the neural basis of social anxiety disorder using a novel social judgment approach-avoidance task*. Poster presented at the annual meeting of the Society for Neuroscience, Chicago, IL.

Steelman, Z. & Storace, D. (2024, May) *Tracing melanin-concentrating hormone in mouse olfactory bulbs*. Poster presented at Florida State University, Undergraduate Research Symposium.

Steelman Z., Jackson, L. E., Wu, Z., Li, W., Joiner, T., Riddle, J. (2024, May). *Investigating the impact of distinct symptoms of Social Anxiety Disorder on social judgment and approach-avoidance behavior*. Poster presented at Florida State University Department of Psychology, Undergraduate Research Day.

TECHNICAL SKILLS

Statistical Software	SPSS, R, MATLAB
Data Management	Qualitrics, Excel
Neurophysiology	tES, EEG (acti-CHAMP, acti-CAP), fMRI, Vibratome, Brainvision
Miscellaneous	Rhinoceros3D

CERTIFICATIONS

CITI	All Research-Related Roles (RCR) OCT 2023 - OCT 2026 Human Subjects Research- Biomedical OCT 2023 - OCT 2026 FSU Faculty, Staff, and Students- Social/Behavioral SEP 2023 - SEP 2026
FSU College of Medicine	Magnetic Resonance Imaging Safety Training NOV 2024

REFERENCES

Justin Riddle, PhD.
Assistant Professor
justinriddle@fsu.edu

Timothy McDermott
Post-Doctoral Scholar
tmcdermott@fsu.edu