

Steven Baker

stevenwaynebaker@gmail.com 251-424-2150

CURRENT ADDRESS

175 Stadium Drive, Apartment #638
Mobile, Alabama 36608

PERMANENT ADDRESS

3710 Turnberry Drive
Gulf Shores, Alabama 36542

EDUCATION

University of South Alabama - Mobile, Alabama
B.S. in Mathematics, in progress
B.A. in Psychology, in progress

Expected Graduation: December 2023

Overall GPA: 3.82/4.00

Mathematics GPA: 3.90/4.00

Psychology GPA: 3.92/4.00

MAJOR COURSEWORK

- | | | |
|------------------------------------|------------------------------------|--|
| • Biological Psychology | • Calculus 1/2/3 | • Chemistry 1/2 with Labs |
| • Abnormal Psychology | • Differential Equations | • Biology 1/2 with Labs |
| • Psychology of Learning | • Complex Analysis | • Organic Chemistry 1/2 with Labs |
| • Social Psychology | • Regression Analysis | • Biochemistry 1/2 |
| • Research Psychology | • Financial Mathematics 1/2 | • Calculus Based Physics 1/2 with Labs |
| • Research Design and Analysis 1/2 | • Mathematical Cyberinfrastructure | |

RELEVANT SKILLS

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|--------------------------|-----------------------------------|--------------------------------|
| • Experience with R | • Microsoft Office Collection | • CPR Certified |
| • Experience with SQL | • Behavior Coding in BORIS | • Excel/Spreadsheet Experience |
| • Experience with Python | • Experience with Jamovi and SPSS | • Experience with Minitab |

RESEARCH/WORK EXPERIENCE

Dr. Heidi Lyn Comparative Cognition Lab

Lab Manager/Research Assistant

January 2022-Present

- Designed and implemented methodology to study pattern recognition in different species, specifically dogs, humans, and monkeys
- Collaborated with other researchers to collect and analyze large sets of data to perform a meta-analysis of pointing comprehension in dogs
- Assisted in studies involving comparative psychology, primarily by way of hermit crabs, humans, capuchin monkeys, and dogs.
- Assisted in analyzing the effects of climate change by studying the behavior of thin striped hermit crabs in relation to prolonged periods of changing temperatures
- Studied the behavior of dogs in regards as it relates to their expectations
- Helped organize and plan charity events for the University and the lab

Dr. Joshua Foster's Research Group

Research Assistant

August 2021-Present

- Assisted in studies involving the variability between the personalities of people, focusing on that of Narcissistic Personality Disorder (NPD) along with the other "dark" personality traits, psychopathy and machiavellianism. Specifically in relation to persuasion
- Collaborated with research in the field of visual perception
- Performed data analysis on smaller data sets to analyze the effects of specific personality types on facial recognition

PUBLICATIONS & PRESENTATIONS

Publications

- Baker, S. & Lyn, H., "Intuitive Pattern Recognition in Dogs vs Humans, 2023 (under review)
- Baker, S. & Lyn, H., "Intuitive Pattern Recognition in Monkeys vs Humans 2023 (in preparation)
- Lyn, H., Villegas, J., Bass, C., Baker, S., West, K., "When is a point not a point", 2023 (under review)
- Lyn, H., Villegas, J., Bass, C., Baker, S., West, K., "Pointing Gestures as Communication in Dogs (Canis Familiaris)" (in preparation)

Poster Presentations

- April 2023 Conference on Comparative Cognition Baker, Melbourne Beach, FL., Baker S. & Lyn, H., "Understanding of Probabilities in Dogs vs Humans"
- July 2023 Animal Behavior Society, Portland, Oregon (Online), Baker S. & Lyn, H., "Probabilistic Determination in Dogs vs Humans"
- October 2023 South Alabama Undergraduate Symposium, Mobile, Alabama, Baker S. & Lyn, H., "Understanding of Probabilities in Monkeys vs Humans" (in preparation)

CERTIFICATIONS

- University of Michigan - Programming for Everybody
- University of Michigan - Python Data Structures
- University of Michigan - Using Python to Access Web Data

AWARDS/SCHOLARSHIPS

Academic Scholarships

- USA Provost's Scholarship for Academic Excellence
- UBGOD Scholarship for graduating high school seniors who attended Orange Beach Elementary School
- Mark D. Fillers Scholarship - for orphans, foster children, or adopted children who display exceptional scholastic achievement
- 2023 South Alabama Summer Undergraduate Research Fellowship (SURF) to study how Capuchin Monkeys compare to Humans in their understandings of probabilities