Christina (Jin) Capozzoli

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EDUCATION

University of Maryland, College Park, MD GPA: 3.95
B.S., Neuroscience, Cognitive & Behavioral Track May 2022
Minor, Sustainability
Honors Thesis: *The Link Between Infant Amygdala Connectivity and Behavioral Inhibition*, Defended with High Honors

EXPERIENCE

Lab Manager, Columbia Social Cognitive & Neural Sciences Lab August 2022-August 2023
- Improved efficiency of lab activities through maintenance of lab servers, hiring and training research assistants, launching web experiments, handling lab finances and IRB, and keeping lab websites up to date.
- Applied Hidden Markov Modeling (HMM) for event segmentation of continuous ratings for study investigating the neural mechanisms of personality perception
- Developed scripts in R and Python for streamlining data cleaning and analysis, generating stimuli

Head Research Assistant, NYU Social Identity & Morality Lab June 2022-August 2022
- Under the supervision of a post-Doc, enthusiastically led a team of 7 undergraduate research assistants to collect data via online experiments, clean data using a Ruby script and Excel, and improve organization
- Recruited and communicated with 50+ participants via SONA
- Prepared for and led weekly team lab meetings, created a safe space for addressing issues and asking questions, facilitated learning lab software through tutorials and well-documented protocols

Undergraduate Research Assistant, Child Development Lab Fall 2020-Spring 2022
- Assisted with in-lab infant/toddler behavioral and imaging data collection, and behavioral coding of infant reactivity
- Completed preprocessing, quality checks, and statistical analysis of fMRI data using MATLAB and R
- Developed and defended an honors thesis investigating the relationship between amygdala functional connectivity in infants and a risk factor for anxiety

Undergraduate Research Assistant, Applied Research Lab for Intelligence and Security Fall 2019-Spring 2020
- Assisted in study of the effects of nerve stimulation on language learning in adults
- Analyzed heart rate monitoring data using Kubios HRV; Handled equipment for heart rate monitoring and nerve electrical stimulation

Vice President of Events and Outreach, One for the World UMD Chapter Spring 2022
- Planned outreach events to educate students about effective altruism and actions they could take to improve the lives of those in extreme poverty
- Created and led 50-minute workshop on the Effective Altruism movement at university-wide hackathon

Over Sand Vehicle Project, Team Co-Leader, Primary Programmer Spring 2019
- Co-led team of 8 students to design, construct, and test an autonomous over-sand vehicle for 1 semester
- Delegated roles; organized weekly meetings; facilitated communication between 4 sub-teams
- Programmed Arduino navigation and obstacle avoidance algorithm utilizing infrared and ultrasonic sensors

Relevant Coursework
- Fundamentals of Learning & Behavior; Language & Thought; Memory & Cognition; Cellular & Molecular Neuroscience; Neural Circuits; Research Methods in Psychology; Biometrics & Statistics

HONORS & ACHIEVEMENTS

Biology Departmental Honors Program, received High Honors Fall 2020-Spring 2022
University Honors Citation May 2022
Maryland Summer Scholar Summer 2021
Dean's List Fall 2018-Spring 2022

SKILLS

Computational: Python (intermediate); R; Shell Scripting; JavaScript; MATLAB; C-based Arduino; Linux; Git; HTML
Data Analysis: fMRI preprocessing/analysis (CONN, AFNI, FSL); JAMOVI; SPSS; behavioral coding (Mangold INTERACT); neuronal activity (LabChart); Microsoft Office Suite