

RONGRONG (LORI) LIU

Rol044@ucsd.edu | (619) 980-1544 | 7693 Palmilla Dr, San Diego, CA 92122

EDUCATION

UC SAN DIEGO

June 2021

Bachelor of Science – Cognitive Science; Minor in Computer Science

- Cumulative GPA: 3.98/4.00
- Academic Project: Linear Regression Models to Predict Movie Profitability (MatLab); Tetris (Java); Machine learning algorithm to predict light exposure (Python/ In Progress)
- Coursework: Linear Algebra, Introduction to Statistics, Neurobiology of Cognition, Introduction to Java, Modeling & Data Analysis, Introduction to Probability, Introduction to CS Research, Basic Data Structure && OO Design

RESEARCH AND WORK EXPERIENCE

Hierarchical Temporal Memory Model

September 2018 - Present

Researcher and Programmer

- Research on the biologically constrained theory of intelligence with one undergraduate to explore neuroscience implementation in real-life problem by sharing relevant literature and instructional videos
- Develop a basic structure to understand Hierarchical Temporal Memory and facilitate later translation into simpler pieces which will be easier to re-organize for own construction in python

PERCEPTION AND COGNITION LAB, UC SAN DIEGO, CA

April 2018 - Present

Research Assistant

- Assist in behavioral research on the patterns of reaction time and accuracy when people perceive and evaluate the axis angle, and in EEG study on the relationship between brain activities and decision-making critical time period through recruiting 15 participants, arranging test sessions and collecting data for process
- Research on relevant literature, present findings and discuss with other research assistants to formulate future personal research interest and experiment design
- Guide and help subjects to finish behavioral experiments with explanations on experiment procedure, possible harm, research ethics, and other supplemental answers responding to subjects' questions

EXTRACURRICULUM ACTIVITIES

Office of VC Student Affairs, UC San

June 2018 - Present

Student Worker

- Engage in office daily running by planning and preparing weekly meeting of vice chancellors; organizing and tracking over 20 annual Units Assessment Reports from different departments including Student Retention & Success and Enrollment Management
- Help to collect survey results from 1025 new students who attended Welcome Convocation, and summarize students' opinions and suggestions on open-ended questions about improvement of Welcome Convocation to improve the preparation and design of next year's Welcome Convocation which would hold for more than 4000 freshmen
- Provide more than 20,000 students with better university experiences by providing assistance to solving their problems and connect them to different corresponding administration departments on campus

Associate Students

October 2017 - September 2018

Calfresh Intern, Food and Housing Resource Department

- Coordinated Calfresh info sessions with the basic needs coordinator to design logistics in order to help students have comprehensive understanding of the program
- Conducted campus outreach on campus with related market materials, provided general information for more than 100 students who would like to apply for Calfresh program, and followed up on students who needed further assistance and connections in order to reduce campus hunger, and for low-income students to better focus on their academic success

Academic Enrichment Program

October 2017 – June 2018

Volunteer

- Provided assistance in Frontiers of Innovation Scholars Program (FISP) Symposium for more than 50 presenters to display their research outcomes and give out speeches, and further promote the research atmosphere in UCSD
- Communicated with guests and collected suggestions from more than 70 guests in survey to fully reflect on events organizations during Frontiers of Innovation Scholars Program (FISP) Symposium and Conference of Research in the Arts, Social Science and Humanities (CRASSH)
- Strategized with the volunteer teams on logistics, work division.

SKILLS

- Familiar Programming Languages: Java, Python, MatLab
- Tools: Unix, Git, Microsoft Office
- Spoken Languages: Mandarin, English
- Interests: Hiking, Painting, Yoga, Tango