

Yingli Sieh

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Education

Carnegie Mellon University, Pittsburgh PA

May 2019

B.S. Cognitive Science and Human Computer Interaction, 3.59/4.0 GPA

Quantitative Social Science Scholar, Dean's List Fall 2015, and with Honors Spring 2016, Spring 2017

Relevant Coursework: Fundamentals of Imperative Programming, Statistical Reasoning, Introduction to Parallel Distributed Processing, Programming Usable Interfaces, Computing for the Crowd and the Cloud

Experience

Carnegie Mellon Residential Education, Pittsburgh, PA

Resident Assistant in Mudge House and Roselawn Terrace

Aug 2016 - Present

- Directly mentored 24 first-year residents and 64 upperclassmen within a house community of more than 300 students. Directly advise Quantitative Social Science (QSSS) first-year students.
- Implemented floor, house-wide, and focus-area related programming, specifically wellness and mental health initiatives, directing of House Council meetings, and additional programming for QSSS students.

Cognitive Neuroscience Lab, Carnegie Mellon University Pittsburgh, PA

Research Assistant

Aug 2016 – Present

- Design neuropsychological experiments using MATLAB and BioSemi EEG techniques to analyze the simultaneous processing of categorically distinct stimuli, and analyzed EEG and behavioral data.
- Ran EEG and behavioral participants, collected ~30 participant's data and user performance on task.

Folia Water, Pittsburgh, PA

Microbiology Lab Associate

Aug 2016 – Dec 2016

- Studied the longevity and performance of Folia Filters by running microbiological tests using nonpathogenic cultures of E. coli. Analysed the bacterial growth of effluent water after testing.
- Lead scientist in the Folia Water lab, developed lab procedures and protocol, maintained daily reports.

Mitchell Lab, Carnegie Mellon University Pittsburgh, PA

June 2016 - Aug 2016

Research Assistant

- Manipulated CRISPR Cas9 mechanisms in S. cerevisiae to compare efficiency of linear DNA versus plasmid DNA, performed transformations on E. coli and S. cerevisiae, and used PCR daily
- Gave weekly presentations research status and wrote formal report on research. lab liaisons and professors, wrote a formal report on my research to be presented at the end of the summer.

Current Activities

Carnegie Mellon UNICEF

President

Aug 2016 - May 2017

- Delegate and manage UNICEF missions to committees for on-campus and off-campus activities, including education activities like "Trick-or-Treat for UNICEF" at primary schools, fundraising via the annual Believe in Zero 5K Run, and awareness-focused events like Open Mic Nights on our campus.

Delta Delta Delta, Alpha Tau Chapter

Treasurer, Diversity and Inclusion Task Force Delegate

Aug 2015 - Current

- Managed a budget of \$10,000 by providing reimbursements to members and payment to vendors.
- Selected to be one of two undergraduate representatives for Delta Delta Delta's national task force, tackling barriers to membership, financial demand on members, and gender inclusivity in sorority life.

Educational Technology Club

President

Aug 2016 – May 2017

- Communicate with industry members to coordinate research experiences for members and conference calls to discuss the field of EdTech. Organized visits to local companies to encourage local school work.

Skills

Python, C, Java, SPSS, MATLAB, InDesign, Illustrator, Photoshop, EEG with BioSemi, Balsamiq, Mandarin