

Sherry Fan

sherrysnowf@gmail.com, 510-371-3469
www.linkedin.com/in/sherryfansf
https://github.com/sherryfansf

EXPERIENCE

UC San Francisco — Research Assistant

MAY 2019 - PRESENT

- Demoed and conducted trials on Unity-based spatial-memory game (Labyrinth) to improve participant experience
- Scored and analyzed data from 100+ participants in Python and Excel
- Ran 100+ hours of participant training sessions and interviews

UC Berkeley — Teaching Assistant

DECEMBER 2019 - PRESENT

- Assisted in creation of worksheets and online lab assignments for 1300+ students in introductory data science course
- Co-instructed weekly lab section of 30 students, helping in basic Python and data analysis

UC Santa Cruz — Research Intern

MAY 2018 - FEB 2019

- Created novel survey program with Python (PsychoPy) to automate over 100 interviews
- Personally interviewed participants and presented at university-wide research conference
- Analyzed and coded over 2000 participant responses

PROJECTS

Neurotech @ Berkeley

SEPT 2019 - PRESENT

- Prototyping EMG- and EEG-controlled RC car using Python for feature extraction/classification
- Built classifier at 80%+ accuracy to predict seizures in epileptic patients

Data Science For All (DS4A)

MARCH 2019 - PRESENT

- Spearheaded data science project to identify relevant factors in workplace mental health using random forest, logistic regression at 90%+ accuracy
- Training in regression, NLP, other ML methods using Python, AWS, SQL
- Presented mental health improvement plan to 10+ major tech employers

five-eight

MAY 2020

- Created R Shiny web app to maximize scores in competitive online game
- Scraped and analyzed data from 5000+ game entries in Python, including keyword frequency and clustering analysis
- Managed user concerns and feedback with over 600+ lifetime users

brk

JUNE 2020

- Designed web app using HTML/CSS/JS that aggregates psychological research and provides customized feedback for users' habits
- Maintained active user base with testing for quality assurance and management of user feedback

UC Berkeley CS Kickstart

AUG 2019 - CURRENT

- Developed curriculum for class of 80 incoming freshman women, including modules in data science, electrical engineering, and web design

EDUCATION

UC Berkeley (2019-2023)
B.A. Computer Science, B.A. Psychology

LANGUAGES

Python (NumPy, Pandas),
SQL, R (& R Shiny), Java,
HTML/CSS

RELEVANT COURSEWORK

CS61B: Data Structures

CS61A: Structure and Interpretation of Computer Programs

EE16A/16B: Designing Information Devices and Systems

Psych 101: Research Methods and Analysis

Data 8: Foundations of Data Science

OTHER SKILLS

Mandarin Chinese
Microsoft Excel

AWARDS

UC Berkeley CS Scholar (2020)

UC Berkeley Regents Scholar (2019)

National Merit Finalist (2019)

American Chemical Society East Bay Award (2017)

