

Ashley Chu

B.S. Cognitive Science spec. Machine Learning @ UC San Diego | Provost Honors

PROJECTS

Predicting Wildfires in California — [Github repository](#)

Analyzed wildfires in Northern California and their co-occurrence with precipitation and temperature to find key determinants in predicting wildfires. Used Python, Pandas, Numpy, and Matplotlib to analyze and visualize data.

Teletherapy for College Students — [User Experience Research](#)

Conducted user experience research study and literature review to discover pain points in teletherapy and examine its proliferation since the COVID-19 pandemic. Designed surveys, conducted interviews and [presented findings](#).

EXPERIENCE

UCSD — Resident Assistant

AUGUST 2022 - PRESENT

Building a welcoming residential community for 60 students. [Mentor and lead a RA team of 50](#) responsible for the wellbeing of over 2,000 Sixth College residents. Respond to emergencies and ensure safety of the community. Design marketing materials for weekly programs and plan, do outreach and execute college-wide events ([annual Latinx heritage celebration Adelante](#)).

UCLA Medicine — Research Intern

JUNE 2022 - OCTOBER 2022

Developed a dynamic dashboard and presentation interface for patient education to dispel stigma surrounding statin medication use. Designed and coded a dynamic clinical decision aid to represent medical trial data using Javascript and HTML.

San Diego Supercomputer Center — Network Program Analyst

JUNE 2022 - AUGUST 2022

Wrote Python scripts to scrape data from the web and create a database of known BGP communities with post-doc Thomas Krenc.

Winkielman Lab, UCSD — Research Assistant

APRIL 2021 - JUNE 2021

Analyzed data from public posts on Reddit to assess the mental health of select demographics. Encoded Reddit posts to determine how to characterize and predict loneliness. Visualized and analyzed data using statistical methods.

Vinaj: Telosity Team — Intern

JUNE 2019 - AUGUST 2019

Researched hundreds of mental health tech startups. Conducted focus group user interviews and user surveys. Made and presented competitive analysis reports for clients.

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github.com/ashleyychu

SKILLS

Python, Java, C++
(★★★★☆)

data analytics (R, SQL, Tableau, Matlab)
(★★★★☆)

basic machine learning (PyTorch) (★☆☆☆☆)

[User research, interviewing + survey design](#) (★★★★☆)

[Figma](#) (wireframing, prototyping, [UX design](#)) (★★★★☆)

Adobe Illustrator, Indesign and Photoshop (★★★★☆)

AWARDS

National Merit Scholar Finalist

Datahacks 2022 Intermediate Track Honorable Mention (word-to-vector predictor for success of Shark Tank products)

1st in Graphic Design at FBLA 2018 CA State Leadership Conference

EXTRACURRICULARS

Starter and secretary for UCSD Women's Rugby

[Writing teacher at XL Academy](#)

LANGUAGES

English, Chinese, Spanish

HOBBIES

Piano, cooking, reading, skiing