

Lisa Huiqin Wang

lisahqwang.github.io • (650) 695-3152 • huiqinwang@ucla.edu

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Bachelor of Science, CS & Bio, Data Science concentration

- Cumulative GPA: 3.95/4.0
- **Awards:** Dean's Honor List 7x
- **Conferences:** virtual Grace Hopper 2021, EAGxBerkeley

Los Angeles, CA
Expected June 2023

EXPERIENCE

SLAC National Accelerator Laboratory

Intern

- General python with application to LCLS (and LCLS-II) data analysis
- Parallelized python with MPI with similar application
- Applied deep learning techniques using PyTorch to analyze electron microscopy data (a joint DOE-NIH endeavor at SLAC)

Stanford, CA

Sept 2022 – Feb 2023

Machine Intelligence Research Institute

Intern

- Researched quantitative analysis on 18 state-of-the-art ML models' complexity and size
- Published findings on LSTMs, Transformers, Reformers at AI impacts
- Upskilled in machine learning safety and technical alignment problems

Berkeley, CA

Jul 2022 – Dec 2022

Wollman Lab and Geschwind Lab at UCLA

Research Assistant

- Prepared tissue-samples for Multiplexed Error-Robust Fluorescence In-Situ Hybridization (MERFISH)
- Performed spatial transcriptomics imaging
- Adopted the Rolling Circle Amplification and branched DNA (bDNA) methods to synthesize probes

Los Angeles, CA

Jul 2021 – Sept 2022

NASA L'SPACE ACADEMY

Team 37 Project Manager

Tempe, AZ

Jun 2021 – Dec 2021

- Managed a team of 10 scientists, systems engineers, and planners
- Produced a 100-page Preliminary Design Review to procure water-ice volatile on permanently shadowed regions (PSR) on the lunar south pole, followed with Critical Design Review plans
- Received NX engineering certificate

Google

Google Computer Science Summer Institute Scholar

Mountain View, CA

May 2020 – Aug 2020

- Followed a project-based curriculum using HTML/CSS/JS, Python with daily Googler shadowing opportunities
- Built a user-friendly, interactive website using Google Maps API, front-end development languages. Displayed user's location within a 100m proximity

Adobe Systems Inc.

Intern

San Jose, CA

Jun 2019 – Aug 2019

- Learned web-design using Adobe PS: wireframing, slicing, and modifying slices and styles using CSS3 and HTML5
- Studied NLP and applications of CS, presented findings in Adobe Spark
- Shadowed a PM and a researcher on Woman-in-tech roles

EXTRACURRICULAR ACTIVITIES

Daily Bruin, Science & Health, National news & Higher Education writer

Sept 2020 – 2022

- Organized recruitment, community college outreach, DB social media, and alumni database as Outreach Staff
- Interviewed, edited, and wrote UCLA's forefront research and national happenings

UCLA Herbarium, student volunteer

Sept 2021 – Sept 2022

- Participated in transcribing native plants for the herbarium as an SRP student
- Gained knowledge in inaturalist database building

UCLA Effective Altruism

Sep 2021 – Present

- Long Term Future Fund grant receiver

ADDITIONAL

- **Skills:** Python, C++, Java, PyTorch, HTML/CSS/JS, Mathematical Modeling, Scientific writing