

Stephanie Wei

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EDUCATION

University of California, Los Angeles (UCLA)

September 2020-June 2024

B.S. Computer Science (GPA : 3.953/4.0)

- **Relevant Coursework:** Statistical Programming; Linear Algebra; Discrete Structures; Algorithms; Logic Design of Digital Systems; Software Construction; Computer Organization and Systems Architecture; Probability; AI; OS; DBMS; CG; ML; Formal Languages and Automata Theory; Data Science; NLP
- **Extracurricular Activities:** MentorSEAS Mentor, UPE member, ACM (AI, Dev team, Design) (2020-21)

EXPERIENCE

Incoming Software Development Engineer (SDE) Intern

June 2023-Sept 2023

[Amazon](#), Arlington VA.

Full Stack Software Engineer

October 2021-Present

www.Bruinwalk.com, Los Angeles CA.

- Developed a popular site used by over 50k UCLA students for class/professor reviews.
- Managed and participated in automating the process for scraping and uploading professor images, fixed bugs, and implemented features within the site and chrome extension through web development frameworks.

Software Engineering Intern

June 2022-September 2022

[Thorlabs Quantum Electronics](#), Jessup MD.

- Produced a Manufacturing Execution System (MES) web application using Flask, JS, and SQLAlchemy.
- Programmed and queried from a database of 10+ tables/views in MS SQL Server to integrate with HTTP methods/requests, AJAX calls, and other tools, to develop web pages that are deployed in production.

August 2021-September 2021

- Developed and optimized scripts for data transfer from directories to database using Python and MS SQL.
- Accelerated data generation of manufacturing matrix from within a couple of hours to half an hour.

Undergraduate Student Researcher

January 2022-June 2022

[Center for Vision, Cognition, Learning, and Autonomy \(VCLA\)](#), Los Angeles CA.

- Researched video grammar parsing and prediction with mentorship and weekly journal reviews.
- Programmed scripts for hyperparameter training and learned about several learning models.

PROJECTS

[Stock Tab Chrome Extension](#)

- Implemented a new tab chrome extension for increasing market awareness for better stock investments.
- Integrated with API servers (Polygon.io REST, Bing News Search) to display real-time data on a dashboard.

[Gomoku](#)

- Created a five in a row Python game with two-player and player vs. AI modes.
- AI developed using MiniMax with Alpha-Beta pruning, and GUI through Pygame and Pymenu modules.

[Clique](#)

- Full stack implementation of a CRUD web application for optimized group event planning and routing.
- Utilized a Firebase document store, React, React Bootstrap, and several Google APIs.

SKILLS

- **Proficient:** C++ , Python, HTML/CSS, MS SQL, PostgreSQL, Git
- **Familiar:** Java, JavaScript, React, Django, Docker, UNIX, OpenMP, Flask, Bash, R, Lisp

AWARDS (Selected)

Outstanding Senior in Mathematics (1 out of 325 students in class)

2020