

Stephanie Wei

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EDUCATION

University of California, Los Angeles (UCLA)

September 2020-June 2024

B.S. Computer Science with Minor in Statistics (GPA : 3.947/4.0)

- **Relevant Coursework:** Computer Organization; Statistical Programming; Linear Algebra; Discrete Structures; Algorithms; Logic Design of Digital Systems; Software Construction; Computer Systems Architecture; Probability; Artificial Intelligence; Operating Systems; Database Management Systems
- **Extracurricular Activities:** MentorSEAS Mentor, UPE member, ACM (AI, Dev team, Design) (2020-21)

EXPERIENCE

Undergraduate Student Researcher

January 2022-Present

Center for Vision, Cognition, Learning, and Autonomy (VCLA), Los Angeles CA.

- Researched computer reasoning and video grammar parsing and prediction.
- Programmed scripts for hyperparameter training and was mentored on several learning models.

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 and professor reviews.
- Worked cross-functionally across a team of 40 members to contribute to site redesign.
- Fixed bugs, created back-end connections to user data through Django and Elasticsearch, and implemented features within the site and chrome extension through web development frameworks.

Software Engineering Intern

June 2022-Present (September 2022)

Thorlabs Quantum Electronics, Jessup MD.

- Produced a Manufacturing Execution System (MES) web application using Flask, JS, and MS SQL.
- Worked full stack to develop dynamic web pages used by technicians and operators.

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.

PROJECTS

Stock Tab Chrome Extension

- Implemented a new tab chrome extension for increasing market awareness for better stock investments.
- Integrated with multiple API servers (Polygon.io REST and Bing News Search) to display real-time data on market status, market indices in time series graphs, and stock related news on a dashboard.

Gomoku

- Created a five in a row python game with two-player and player vs. AI modes.
- AI developed using the MiniMax algorithm, and GUI developed with the pygame and pymenu modules.

Clique

- Worked on the full stack implementation of a CRUD web application that allows for optimized event planning.
- Users can register, join friends and groups, schedule events, and generate optimal routing plans.
- Utilized a Firebase document store, React, React Bootstrap, and several Google APIs.

SKILLS

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

AWARDS (Selected)

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

2020