

# Stephanie Wei

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## EDUCATION

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### University of California, Los Angeles (UCLA)

September 2020-June 2024

B.S. Computer Science (GPA : 3.963/4.0)

- **Relevant Coursework:** Algorithms; Computer Organization & Systems Architecture; AI; Databases; ML; Formal Languages & Automata Theory; Data Science; Programming Languages
- **Extracurricular Activities:** MentorSEAS Mentor, UPE member, ACM (AI, Dev team, Design) (2020-21)

## EXPERIENCE

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### Software Development Engineer (SDE) Intern

June 2023-Present

[Amazon AWS](#), Arlington VA.

- Speed up onboarding by 5X, by automating onboarding of internal teams to AWS region services through Cloud Development Kits (CDKs), APIs, and Infrastructure as Code (IaC) written in Java and Typescript.
- Generated metrics from DynamoDB streams to be propagated to data warehouses, participated in sprints, and deployed code to distributed services through CI/CD pipelines.

### Undergraduate Research Assistant

April 2023-Present

[Peng's Language & Understanding Synthesis \(PLUS\) Lab](#), Los Angeles CA.

- Researched Natural Language Generation (NLG) & Automatic Evaluation (AE) with weekly journal reviews.
- Ran and researched baselines that used Reinforcement Learning (RL), Seq2Seq, and transformer models.
- Engineered scripts to analyze annotator agreement scores, and prototype Amazon Mechanical Turk surveys.

### Full Stack Software Engineer

October 2021-Present

[www.Bruinwalk.com](http://www.Bruinwalk.com), Los Angeles CA.

- Worked cross-functionally to develop a popular class/professor review site with > 8 million pageviews yearly.
- Modified models, created cached properties, displays, and account alerts, through React, JS, and Django.
- Scraped > 4500 profile images for > 50 departments by managing a team to write automating scripts, Elasticsearch queries, and python management commands, to be deployed through Kubernetes and Docker.

### 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.
- Integrated production database in MS SQL Server with Flask backend, serving HTTP requests, AJAX calls, and complex queries from 10+ tables/views, to develop web pages that are deployed in production.

August 2021-September 2021

- Implemented 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 weekly journal reviews.
- Devised scripts for hyperparameter training and mentored on modified RNN and learning architectures.

## SKILLS

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

## AWARDS (Selected)

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

2020