

# Hailani Lam

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## EDUCATION

**University of California, San Diego**

*Bachelor of Science in Computer Science*

**Expected Graduation June 2025**

*San Diego, CA*

**Technical Skills:** Python, JavaScript, C/ C++, HTML, CSS, MySQL, PostgreSQL; Git, VSCode, GDB; API integration, CI/CD, Node.js, React.js

## RELEVANT WORK EXPERIENCE

**Find the Right Job | Start-Up**

**June – July 2024**

*Core AI Software Engineer Intern*

*San Diego, CA*

- Contributed to an early-stage, graduate-led startup focused on developing an AI-powered web application for job seekers.
- Developed initial prototypes using JavaScript, HTML, and CSS to assist users with job applications and resume updates.
- Engaged in a small team to explore Application Programming Interface (API) integrations for resume parsing, job matching, and application tracking before the project was put on hold.

## PROJECTS

**Women In Computing | Club**

**Winter 2024 – Current**

*Web Developer*

*San Diego, CA*

- Lead a four person team in developing an activist website to promote local farmer's market in San Diego and its sustainability
- Implemented three new features such as event listings, educational resources, and donation portals using HTML, CSS, and Javascript to support potential engagement from over 100+ community members

**HeadStarter AI | Fellowship Program**

**Summer 2024**

*SWE Fellow*

*Remote*

- A seven week AI fellowship, worked with industry mentors and built two AI-driven applications, including an AI chatbot and an automated grocery list tracker, streamlining task completion and reducing manual effort.
- Integrated Google Firebase for scalable data management, reducing data retrieval times by ~40% compared to traditional databases

**Developers Journal | Software Engineering [CSE 110]**

**Spring 2024**

*Front End & DevOps Engineer*

*San Diego, CA*

- Collaborated with a team of 10 to develop a workflow documentation web application, ensuring smooth team coordination through version control and agile development practices
- Designed and implemented responsive UI components while integrating continuous integration/continuous deployment (CI/CD) pipelines, minimizing deployment errors and enabling faster, more reliable feature releases
- Deployed offline functionality using local storage and service workers, reducing load times by ~30% and ensuring access to key features without an internet connection
- Managed project dependencies, utilizing Node Package Manager (NPM), and enforced style and linter checks, maintaining clean and consistent code through team-drive code reviews

**Predicting Recipe Ratings | Web Mining and Recommenders System [CSE 158]**

**Fall 2023**

*Machine Learning Engineer*

*San Diego, CA*

- Partnered with a group of four to predict how users would rate recipes using data that consisted of over 700,000 reviews and 180,000 recipes
- Conducted exploratory data analysis to identify trends and clean data, removing over 2,500 erroneous entries and improving data quality
- Improved Mean Squared Error (MSE) by 70% (from 3.05 to 0.88) using a matrix factorization-based Singular Value Decomposition (SVD) model, outperforming Jaccard similarity, linear regression, and sentiment analysis by 10x

## OTHER WORK EXPERIENCE

**Uniqlo & Ann Taylor | Retail**

**June 2022 – Present**

*Part-time Sales Associate*

*San Diego, CA*

- Hold various roles within fast-pace retail environments, handling up to 200 customer interactions daily while supporting promotional activities and product launches, including opening the first Uniqlo location in San Diego with team of 15+