

# ANDREW HO

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## EDUCATION

**University of California, Irvine**

Exp. Grad June 2024

*B.S. Computer Science*

**GPA 4.0/4.0**

Coursework : Data Structures, Algorithms, Software Engineering, Networks, Architecture, Databases, Cybersecurity

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## EXPERIENCE

**Suma Wealth | Backend**

**Oct. 2022 - Present**

*Software Engineer Intern*

*Santa Monica, CA*

- Constructing backend for Sumaversity financial platform using Ruby on Rails, MySQL, and AWS EC2.

**Snap Inc. | Full Stack & Leadership**

**Jun. 2022 – Aug. 2022**

*Software Engineering Scholar*

*Santa Monica, CA*

- Developed Snapchat Mini feature addressing food-security using **React-Native, Firebase, Firestore, and Auth**
- Integrated scan functionality allowing users to scan unfamiliar ingredients for related recipes, tutorials, snack facts, and Apple Maps API to find affordable ingredients in user's proximity.
- Collaborated in cross-functional environment including UI/UX design and marketing teams in partnership with the non-profit, **Our Own**.
- Participated in 30+ fireside chats, a one-on-one mentorship program, and weekly technical interview workshops.

**Love Yourself | Full Stack**

**Aug. 2020 – Jan. 2021**

*Web Developer*

*Irvine, CA*

- Developed web store as lead developer using HTML, CSS, and JS for local clothing startup brand leading to **50%** increase in sales
- Integrated **Stripe Payments API** to handle customer payments

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## PROJECTS

**Watchlist - Full Stack Movie Recommender Web App** | *Flask, React, PostgreSQL, Chakra-UI, pandas, Ubuntu*

- Constructed **Flask REST API** which uses machine learning model to provide movie recommendations to **React** frontend.
- Created collaborative filtering ML model trained with MovieLens dataset with over **2.5 million** ratings and TMDB API, using cosine similarity methods.
- Implemented custom Authentication system using Bearer token authentication.

**Unicart - Budgeting Web App** | *Flask, Python, JavaScript, PostgreSQL, Bootstrap, Ubuntu*

- Built web app using **Flask** allowing users to manage and share product wishlists of products across multiple websites
- Developed **web scraping API** to retrieve image metadata for client rendering
- Hosted on remote Ubuntu Server using Linode.

**MySteamStats - Dashboard** | *Flask, React, Material UI, Heroku, Steam Web API*

- Developed **React** web app client to display any user's Steam play time analytics.
- Deployed **Flask** server utilizing Steam Web API to handle client log-in requests and fetch owned game playtime.

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## SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, HTML, CSS, SQL, R, C, C++

**Tools/Frameworks:** Flask, React.js, PostgreSQL, Node.js, Selenium, AWS, React-Native, Bootstrap, Chakra-UI, Webpack, Vite, TailwindCSS, scikit-learn, pandas, numpy, Ubuntu, Visual Studio Code, Android Studio, Git, GitHub

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## AWARDS

**Competitions** – Winner of health{hacks} 2021 hackathon out of **178** participants. Designed a machine-learning pandemic simulation tool over 24 hours with JavaScript, HTML, CSS, MySQL. Presented to a panel of **9** Ivy League judges

**Awards** – IVC Dean's List (3.5 GPA or higher), AP Scholar w/ Distinction, IVC Scholarship Foundation