




ANDREW HO

Irvine, CA 92620

✉ andyminhtuanho@gmail.com  [andrewmho](#)  [anmho](#)  [andrewmho.netlify.app/](#)

EDUCATION

University of California, Irvine

Exp. June 2024

B.S. Computer Science

GPA 3.77

Coursework : Distributed Systems, Data Structures, Algorithms, Machine Learning, Networking, Databases

EXPERIENCE

Snap Inc.

Incoming Jun. 2023

Software Engineer Intern

Santa Monica, CA

- Will be working in the **Decisioning & Insights team** with **Python, Apache Druid, Apache Spark, BigQuery, GCP**.
Project TBD.

UCI Student Center & Events Center

Dec. 2023 - Present

Software Engineer

Irvine, CA

- Building scalable C# REST API Constructing Student Center tools such as internal employee management tools, bookings, analytics tools, and student body applications using **SQL Server, JavaScript, TypeScript, Angular, AWS EC2, C# ASP.NET SCSS, Jenkins, and Grafana**

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.

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.

TraderSim | *Django, Python, React-Native, PostgreSQL, Ubuntu, AWS*

- Built full-stack web app using **Django** and **React** allowing users to trade cryptocurrencies.
- Utilized Coinbase Cloud API to provide users live-streaming data for over 250 cryptocurrencies.
- Hosted on remote **Ubuntu** Server using **AWS EC2**.

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.

SKILLS

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

Tools/Frameworks: Flask, Django, React.js, PostgreSQL, MySQL, Node.js, Selenium, AWS, Docker, Kubernetes, React-Native, Bootstrap, Chakra-UI, Webpack, Vite, TailwindCSS, scikit-learn, pandas, numpy, Ubuntu, Code, Android Studio, Git, GitHub, Cassandra, PySpark, Neo4j

AWARDS

Competitions – Winner of Stanford's 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

Organizations – Data at UCI, Hack at UCI, ACM, Music Education for Undergraduates, Autonomous Roomba Team