ANDREW HO

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EDUCATION

University of California, Irvine   Exp. June 2024
B.S. Computer Science   **GPA 3.7**
B.S. Computer Science

<u>Coursework</u> : Data Structures, Algorithms, Software Engineering, Networks, Architecture, Databases, Cybersecurity

EXPERIENCE

Snap Inc.   **Incoming Jun. 2023**
Software Engineer Intern   *New York City, NY*
- Project to be assigned.

UCI Student Center & Events Center | Full Stack   **Dec. 2023**
Web Developer   *Irvine, CA*
- Constructing Student Center internal management tools, analytics tools, and student body applications using **PostgreSQL, JavaScript, TypeScript, HTML,** and **CSS**

Snap Inc. | Full Stack & Leadership   **Jun. 2022 – Aug. 2022**
Snap Engineering Academy 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.

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.

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

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
Organizations – Data at UCI, Hack at UCI, ACM