



# ANDREW HO

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## EDUCATION

**Irvine Valley College** – Irvine, CA  
*B.S. June 2024*

Computer Science  
**GPA 4.0/4.0**

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## RELEVANT COURSEWORK

- Data Structures
- Algorithms
- Systems Programming
- Software Engineering
- Intro to A.I.
- Computer Architecture

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## PROJECTS

- unicart - Shopping List Web App** | *Flask, Python, JS, PostgreSQL, Bootstrap, Ubuntu* **September 2021**
- a web app where users can create, update, delete, and share product wishlists of products across all websites.
  - Utilizes web scraping to retrieve image metadata and for client rendering
  - Hosted on remote Ubuntu Linux Server using Linode.
- Spicetracker - Recipe Sharing App** | *Java, Python, Parse, Heroku, Android Studio* **Sept. 2021**
- Built an Android app that where users can post, share, and view other users recipes.
  - Worked with a team of four on a GitHub repository where I developed the logic of the Android App and machine learning recipe recommendation REST API hosted on Heroku.
  - Users can like, follow, and comment on other users posts.
- Flixster - Movie Browsing App** | *Java, YouTube API, Android Studio* **Sept. 2021**
- Developed an Android app that retrieves currently playing films and fetches movie data using TheMovieDB API.
  - Users can tap on a movie and retrieve a description and view the trailer using YouTube API.
- Simdemic - Pandemic Simulator** | *JavaScript, HTML, CSS* **June 2021**
- Developed hackathon prototype pandemic simulation service web application.
  - Designed mathematical model to replicate virus spreading.
  - Created ability to adjust variables and factors to change simulation.
  - Pitched to hackathon judges as SaaS for governments agencies and businesses.
- Instagram Clone** | *Java, Parse, Android Studio* **Oct. 2021**
- Instagram Clone Android app using Java and Parse backend.
  - Users can post, sign up, sign in, and view their profile
- MyDJ - Music Recommender** | *Python, matplotlib, NumPy, sci-kit-learn, pandas* **July 2021**
- Designed and released a music genre prediction app based on user demographic and preferences using Python, matplotlib, NumPy, sci-kit-learn, and pandas.
- AutoGH - GitHub Automatic Verifier** | *Python, Selenium* **Aug. 2021**
- Built an automatic login and username verifier using Selenium and Python

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## EXPERIENCE

- Love Yourself Clothing Startup** **Aug. 2018 – Sept. 2019**  
*Front End Web Developer* *Irvine, CA*
- Developed web store for local clothing startup brand using HTML CSS, and created a custom navigation bar
- Phi Theta Kappa Honors Society** **Aug. 2021 – Present**  
*College Project* *Irvine, CA*
- Worked with school administration to bring a new leadership skills course to Irvine Valley College students.

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## AWARDS/ACHIEVEMENTS

**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** – AP Scholar w/ Distinction. Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams, IVC Dean's List

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## TECHNICAL SKILLS

**Languages:** Python, JavaScript, Java, C, C#, C++, HTML/CSS, PostgreSQL

**Tools/Frameworks:** Flask, React.js, Selenium, Ubuntu, sklearn, pandas, Visual Studio Code, Android Studio, Git, GitHub