

Colin Yang

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EDUCATION

Bachelor of Science, Computer Science

Expected May 2027

University of California, Irvine

- Member of the Campuswide Honors Collegium

Associate of Science, Computer Science

Expected May

2025

Irvine Valley College

GPA – 3.7

- Irvine Valley College Honors Program Participant
- Qualified for guaranteed transfer to UCI CS Honors in Fall 2025

RELATED COURSES

Comp Org/Asm Lng I/II
C Programming

Python Programming
Computer Math

AP Computer Science A
Data Structures & Algorithms

PROJECTS

Google Cloud X MLB Hackathon powered by Gemini

December 2024

- Developed a full-stack MLB fan application using React, Flask, and Tailwind CSS, featuring real-time game schedules, multilingual support with Google Cloud Translation API, and dark mode customization
- Implemented a personalized news digest system using Google's Gemini AI API to generate tailored content based on users' favorite teams and players, with real-time data integration from MLB's Stats API
- Designed and implemented an ML-based recommendation system using k-means clustering to suggest teams and players based on user preferences and interaction patterns, improving user engagement and content discovery

COVID School Impact Simulation

August 2020

- Instrumental in a collaborative project focused on simulating the impact of COVID across schools with and without wearing face masks
- Designed and Implemented Python algorithm to determine COVID-19 risk and impact based on population, school square footage, and surrounding cities
- Developed an interactive web UI dashboard using Flask to visualize COVID-19 risk data, enabling users to quickly identify high risk areas

PROFESSIONAL EXPERIENCE

Ware Malcomb – Irvine, California
2022

June 2022 – July

IT Intern

- Provided technical support to employees, resolving a large amount of hardware and software issues per week, improving employee productivity
- Created a PowerShell script to proactively notify users about password expirations via automated emails, improving security compliance and reducing help desk tickets related to password resets.

SKILLS

- **Proficient in the following Programming Languages:** Python (Pandas, NumPy, Flask), C, C++, Java
- **Tools & Technologies:** Git, Bash, IntelliJ/PyCharm, JSON, REST APIs, PowerShell, Microsoft Office Suite (Word, Excel, PowerPoint)
- **Cloud Platforms:** AWS, Oracle, GCS
- **Operating Systems:** Windows, Linux, MacOS