

# JASON HO

Computer Science and Engineering Student

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## SUMMARY

I am a motivated, passionate student at the University of California, Irvine with experience in software engineering/development and an interest in growing into and learning about fields in embedded systems, electronic design, computer hardware, information technology, and engineering.

## EDUCATION

University of California, Irvine OCTOBER 2020 - PRESENT  
Computer Science and Engineering Expected graduation in 2024  
Undergraduate, Bachelors of Science, 3.51 GPA

## EXPERIENCE

Anteater Express JUNE 2020 - PRESENT  
Operator Part-Time Position

- Inspects and verifies the condition of battery-powered electric buses before providing service to the community with an estimated yearly ridership of 2 million.
- Safely operate 40-foot transit buses while maintaining a prompt and pleasant service for passengers.

CompMC AUGUST 2019 - PRESENT  
Developer Freelance & Contract

- Developed software that managed the provisioning of resources based on user demand, effectively reducing cost by over 50%.
- Managed the automated deployment of containerized services in Docker to provide automated services for the public, and primary and secondary education organizations nationwide.
- Worked with a diverse team of individuals to develop highly integrated backend, frontend, and plug-in software.
- Produced and realized frontend designs in Figma and assisted with implementing interface designs with internal services.

## PROJECTS

Conductor [github.com/jasoryeh/conductor](https://github.com/jasoryeh/conductor)  
A tool designed to be used internally for simple and rapid container and server assembly, for faster deployment and testing. To describe it briefly, it is like a game launcher for servers and containers. Conductor retrieves, assembles and configures the files necessary to test and deploy services.

Tally [github.com/jasoryeh/TallyLib](https://github.com/jasoryeh/TallyLib)  
My proposed standard and implementation (libraries and plugins) of standard game statistics storage, with the end goal of enabling centralized or standardized statistics access for players.

Functions Local Server [github.com/jasoryeh/digitalocean-functions-localjs](https://github.com/jasoryeh/digitalocean-functions-localjs)  
A little helper program designed to assist with rapid development of microservices on the new Digital Ocean Functions platform.

## SKILLS

- Technical Languages: Java, HTML, CSS, Javascript, PHP, Python, VHDL, Verilog
- Other Relevant Skills: Docker, Git, Systems Administration, Web Design, Serverless Computing, Backend Development, Frontend Development

## RELEVANT COURSEWORK

- Introduction to Digital Systems + Digital Logic Lab
- Data Structures + Design and Analysis of Algorithms
- Programming Languages

## CERTIFICATIONS & LICENSES

- California Commercial Class B License w/ Passenger Endorsement
- FAA Part 107 Certificated Remote Pilot
- Microsoft Office Specialist - Powerpoint

## INTERESTS / HOBBIES

- Homelab, servers, enterprise hardware
- sUAS/Drone Piloting & Aviation
- Cinematography

## ACHIEVEMENTS / HONORS

- 2020 International Baccalaureate Diploma Programme Diploma Certificate
- 2019 CollegeBoard AP Scholar
- 2021 Dean's Honor List

## PROGRAMS

- International Baccalaureate Diploma Programme (August 2018 - June 2020)
- Chancellor's Excellence Scholars (August 2020-June 2022)