Joaquin L. Ortiz

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EXPERIENCE

Cloud Engineering Intern — *Apple*
JUNE 2024 - SEPTEMBER 2024
Repurposed legacy database backup system to increase resilience and fault-tolerance through cross-datacenter replication from multiple sources simultaneously.

"Computer Systems and C" Grader — *University of California*
SEPTEMBER 2021 - JUNE 2022
Reviewed student program code, design plans, and writeups. Also debugged and added features to the autograder script.

PROJECTS

jlort jlort —*Discord bot*
FEBRUARY 2018 - PRESENT (LAST MAJOR VERSION RELEASED SEPT 2024)
Golang (formerly Python) Discord bot for remote control of the above mentioned server, as well as automated playback of user submitted music files and YouTube videos.

ImageSort —*Moves images between folders*
AUGUST 2019 - PRESENT (LAST MAJOR VERSION RELEASED NOVEMBER 2021)
Golang (formerly Python) GUI application for rapid movement of images into folders. Uses libav to support animated images. Also has a duplicate image detector.

EDUCATION

University of California, Santa Cruz —*Graduate Program*
SEPT 2023 - DECEMBER 2024
GPA 3.87.
Classes: Computer Security, Operating Systems, Agile Hardware Design, Distributed Systems II, Computer Architecture II, Formal Methods, Artificial Intelligence II, Foundations of Programming Languages II.

University of California, Santa Cruz —*Bachelors in Computer Science, B.S., Cum laude*
JUNE 2020 - JUNE 2023
GPA 3.92.
Classes: Computer Systems and C, Data Structures & Algorithms, Computer Architecture, Computational Models, Foundations of Programming Languages, Computer Systems Design, Analysis of Algorithms, Distributed Systems, Artificial Intelligence, Database Systems, Software Engineering with Scrum.

Oak Grove High School, San Jose, CA —*Graduate with Honors*
AUGUST 2016 - MAY 2020
GPA 3.9. Took AP Computer Science (5), AP Physics (4), AP English Lang (4), AP Calculus AB (4), AP Psychology (5), and AP US Government (5).

SKILLS

Computer Programming in Python, C, Java, and Golang

Some experience with C++, Chisel, and Kotlin

AWARDS

Synopsys 2020 Grand Prize for team research involving precise UAV swarm navigation without GPS at the Santa Clara Valley Science and Engineering Fair.

Dean's Honors for Fall 2020, Spring 2021, Fall 2021, Winter 2022, Spring 2022, Fall 2022, Winter 2023, Spring 2023

Latino Student Achievement Award for academic excellence, 2017-19.

National Hispanic Recognition Award for SAT scores. Won in 2019.

Best Team Award, 1st place, SVUDL. Won twice.

Best Speaker Award, 3rd place, SVUDL. Won once.

PROFILES
LinkedIn
GitHub