

Joshua Cordero

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EDUCATION

University of California, Irvine, Irvine, CA

Fall 2021 - Spring 2024

- B.S Computer Science // Expected Graduation: Spring 2024
- GPA // 4.0

SKILLS

- **Languages:** Python, JavaScript, C++, C, TypeScript, SQL, MIPS
- **Technologies:** React, MongoDB, MySQL, git, Jenkins
- **Design:** Fusion 360

WORK EXPERIENCE

Amazon, Sunnyvale, CA

June 2023 - September 2023

QA Engineer Intern

- Developed new workflow automation for testing software
- Coordinated the transition to a new testing build environment
- Created custom audio validation algorithms using **Python** to verify validity of testing methods

AONDevices, Irvine, CA

September 2022 - January 2023

Web Development Intern

- Developed API using **Nodejs**, **Typescript**, and **Expressjs**
- Developed fronted applications with **React**

Applied Medical, RSM, CA

June 2022 - September 2022

ATS Technician Intern

- Developed automation to optimize daily activities for Team Members
- Provided technical support for other Team Members

PROJECTS

Search Engine

2023

- Wrote a search engine from the ground up capable of handling thousands of documents through custom data storage methods, able to generate query responses in under 200ms
- Developed using **Python** with a group of three other students

Maze Generator and Solver

2021 - Present

- A progressive web app designed for service-oriented companies allowing for easy customer and service management. Started the project with the goal of bettering my understanding of web development
- Used **Nodejs**, **TypeScript**, **Expressjs**, and **MongoDB** for the backend and **React** for the front end. Deployed on Ubuntu Server

Maze Generator and Solver

2022

- Developed a maze generator that creates and visualizes mazes
- Uses 3 different pathfinding algorithms and 2 different generation algorithms
- Built with **Python**

RFID Login System

2020

- Created a login system for a high school allowing for contactless check-in with RFID cards
- Used **Python** to communicate with google sheets via googles sheets API

Data Logger

2019

- Implemented a data logging system to monitor the wastewater of a chicken plant allowing for instant access to several water tests
- Used **C++** for the hardware interaction and **Python** to send data to google sheets with googles sheets API