

Allen Sien

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Skills

Programming: C/C++, Python, Java, SQL, ROS, HTML, CSS, JavaScript, Typescript, React

Software Skills: VirtualBox, Linux, LTspice, GitHub, Vite

Technical Skills: Word, Excel, PowerPoint, Solidworks, Google Drive, Troubleshooting, Figma

Work Experience

Robot Operator

May 2024 - Present

Physical Intelligence, San Francisco

- Train robots towards the goal of an autonomous robot for every day tasks
 - Reboot robot when it malfunctions
 - Analyze and annotate data collected
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Projects

Riz's Craft

May 2024 - Present

- Project ecommerce site designed using React with Typescript
- Leveraged React Libraries to display information and data
- Styled webpage using CSS to make it responsive and interactive

Portfolio

Oct. 2023 - Nov. 2023

- Developed using HTML, CSS, and Javascript
- Provided viewer interactions using CSS.
- One page portfolio with a Nav bar for easy navigation

Autonomous Chess Board, Senior Design Project

Sept. 2022 - Mar. 2023

- Partnered with others to create a chess robot
- Implemented code to control motors and electromagnet either controlled by app player or algorithm
- Allowed the player on the board to play against the player on the app play through wifi
- Designed the undercarriage of they board on Solidworks
- Presented weekly reports to our project mentor

Chess Program, Software Engineering Project in C Language

Mar. 2021 - June 2021

- Partnered with a collaborator to analyze codes to implement new features
 - Coded the game, Chess, from scratch in C and shared through Github
 - Researched algorithms to implement for the AI game mode.
 - Presented daily progress reports to our lab's supervisors.
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Education

University of California, Irvine

Irvine, California

Bachelors of Science, Computer Engineering

Sept. 2019 - June 2023

- **Coursework:** Data Structures and Algorithms, Computer Architecture, Logic Design, Embedded Systems, Programming, Operating Systems, Parallel Programming, Autonomous Systems

Meta Front-End Developer Professional Certificate

- **Coursework:** Intro to Front-End Development, Programming with Javascript, Version Control, HTML and CSS in depth, React Basics, Advanced React, Principles of UX/UI Design Front-End Developer Capstone, Coding Interview Preparation