

Allen Sien

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Education

University of California, Irvine

Irvine, California

Bachelors of Science, Computer Engineering

- **GPA:** 3.367
 - **Graduated:** June 2023
 - **Coursework:** Data Structures and Algorithms, Computer Architecture, Logic Design, Embedded Systems, Programming, Operating Systems, Parallel Programming, Autonomous Systems
 - **Coursera Certs by Meta:** Intro to Front-End Development, Programming with Javascript, Version Control, HTML and CSS in depth, React Basics
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Skills

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

Software Skills: VirtualBox, Linux, LTspice, GitHub

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

Projects

Calculator

Dec. 2023

- Designed using React with Typescript with the goal of imitating the Microsoft calculator
- Implemented a history tab to revert to a past calculations
- Includes 8 different functions and 24 buttons.

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 the 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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Additional Experience

Treasurer For Tennis Club at UCI

Apr. 2022 - June 2023

- Worked to maintain a high retention rate of members
- Handled the club funds for tournaments, fundraisers, socials, and hotels for our competitive team
- Contacted organizations to schedule fundraisers and socials for club members
- Safety officer