

Allen Sien

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Education

University of California, Irvine

September 2019 - June 2023

Bachelor of Science in 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
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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

Certifications: CPR, First Aid

Projects

Calculator

Dec. 2023

- Designed using React with Typescript
- Implemented a history tab to revert to a past calculation
- Uses 8 different functions and 24 buttons.

Portfolio

Oct. 2023 - Nov. 2023

- Developed using HTML, CSS, and Javascript
- Provided links to github projects and linkedin
- One page portfolio with a Nav bar for easy navigation

Sudoku Project

Oct. 2023 - Oct. 2023

- Developed Sudoku using HTML, CSS, and JavaScript
- Implemented features to help user view the grid using Javascript

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
- Allowed board play against app play through wifi
- Designed a CAD design on Solidworks

Chess Program, Software Engineering Project in C Language

Mar. - June 2021

- Partnered with a co-programmer 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

University of California, Irvine

Practice Director for Tennis Club at UCI

Jan. 2022 - Apr. 2022

- Directed games to help players learn tennis and socialize with other members
- Brainstormed supplies and reservations needed for a social event to be held

Treasurer For Tennis Club at UCI

Apr. 2022 - June 2023

- Over 100 Members
- Handles the club funds for tournaments, fundraisers, socials, and hotels for our competitive team.
- Emailed different organizations to schedule fundraisers.
- Help organize and carry out events.
- Safety officer