

# Allen Sien

San Lorenzo, CA | allensien25@gmail.com | (510) 981 - 9893 | [LinkedIn](#) | [Github](#) | [Portfolio](#)

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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

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## Work Experience

### Assistant Manager

*July 2023 - Present*

#### Chang's Mongolian Grill, Folsom, California

- Worked closely with the staff to resolve any problems
  - Ensured restaurant was clean and prepared for opening
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## 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 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:** 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

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## Additional Experience

### Treasurer For Tennis Club at UCI

*Apr. 2022 - June 2023*

- Handled the club funds for tournaments, fundraisers, socials, and hotels for our competitive team