

# Allen Sien

+1 (510) 981 - 9893 | [allensien25@gmail.com](mailto:allensien25@gmail.com) | [linkedin.com/in/sienallen/](https://www.linkedin.com/in/sienallen/) | [sienallen.github.io/Portfolio/](https://sienallen.github.io/Portfolio/)

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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

Software Skills: VirtualBox, Linux, LTspice, GitHub

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

Certifications: CPR, First Aid

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## Projects

Sudoku Project

Oct. 2023 - Present

- 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

EECS 40, Object-Oriented Systems and Programming

Sept. - Dec. 2021

- Designed and coded a calculator on an Android emulator.
- Implemented 12 different functions and 23 buttons.

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.

Quadcopter, Intro to Engineering

Sept. - Dec. 2019

- Designed, planned, built, and tested a quadcopter
  - Designed a 3D model frame in Solidworks for the quadcopter
  - Cut and measured to size different components of the quadcopter to minimize errors.
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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

- Handles the club funds, used for tournaments, fundraisers, socials, and hotels for our competitive team.
- Emailed different organizations to schedule fundraisers.
- Help organize and carry out events.
- Directed games to help players learn tennis and socialize with other members
- Safety officer