

Bradley Chester

📍 San Diego, CA ✉ bradleychester102@gmail.com ☎ (619) 379-8902 in bradley-chester 🔗 bchester102

Education

- BS** **University of California, San Diego**, Computer Science Oct 2020 – June 2024
- GPA: 3.6
 - **Coursework:** Software Engineering, Computer Architecture, Computer Graphics, Operating Systems
 - **Awards:** Chancellor's Scholar, Provost Honors

Skills

Languages: C, C++, Python

Tools: Visual Studio, Linux, Github, STM8 SPL, Raspberry Pi, GDB

Certifications: Amateur Radio Technician License

Experience

- ZUM Radio**, Software Developer San Diego, CA
July 2023 – Sept 2023
2 months
- Developed firmware in C for a custom STM8 board
 - Saved company thousands of dollars by moving from a proprietary compiler to an open source compiler
 - Designed and implemented custom data transfer protocol based on I2C between microprocessor and Raspberry Pi
 - Investigated bugs using oscilloscopes and fixed hardware problems with soldering
 - Used Github to keep track of changes and daily progress
- University of California, San Diego**, Student Mentor San Diego, CA
July 2022 – Sept 2022
2 months
- Mentored a group of six students, in charge of guiding them on what it's like to be a Computer Science student at UCSD
 - Worked lab hours where I helped students with introductory CS lab assignments and later on students' personal projects
 - Built a sense of community among incoming students to UCSD in order to promote a sense of belonging

Projects

- Image Raytracer** Mar 2024
- Designed and implemented in C++ without graphics libraries
 - Facilitated cross platform compilation so program worked on both MacOS and Windows
 - Tools Used: C++, Visual Studio
- Smart Task Management App** Dec 2022
- Developed for a Software Engineering class in a group of 9
 - Responsible for the DevOps experience using Github Actions
 - Designed test suites for the application using Jest and Puppeteer
 - Deployed application using Electron.js
 - Tools Used: HTML, CSS, JavaScript, Jest, Puppeteer, Electron.js