

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, Algorithm Design and Analysis, Computer Architecture, Computer Graphics, Operating Systems, Database System Principles, Programming Language Principles, Computer Security
 - **Awards:** Chancellor's Scholar, Provost Honors

Skills

Languages: C, C++, Python, Java, JavaScript

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

Certifications: Amateur Radio Technician License

Experience

- ZUM Radio**, Software Developer San Diego, CA
- Developed firmware in C for a custom STM8 board
 - Designed and implemented custom data transfer protocol based on I2C between microprocessor and Raspberry Pi
 - Used Github to keep track of changes and daily progress
- University of California, San Diego**, Student Tutor San Diego, CA
- 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

- Custom CPU Design and Implementation** June 2024
- Designed a CPU instruction set from scratch to solve specific problems
 - Implemented using FPGA design software
 - Created assembler for assembly-like language
 - Tools Used: SystemVerilog, Quartus, Modelsim, C, Python
- 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