

Sean Carlyle

(808) 436-6600 | scarlyle20@gmail.com | [linkedin.com/in/sean-carlyle](https://www.linkedin.com/in/sean-carlyle) | seancarlyle.vercel.app

EDUCATION

University of California, Santa Cruz

Bachelor of Science: Computer Science

September 2024 - March 2024

GPA: 3.82/4.00

Relevant Coursework: Computer Systems and C Programming, Data Structures and Algorithms, Computer Graphics, Software Engineering, Database Systems, Full Stack Web Development, Game AI, Computer Security

SKILLS

Languages: JavaScript, Python, SQL, C, C++, C#, TypeScript, HTML, CSS, Bash, Dart

Frameworks and Libraries: Flutter, React.js, Node.js, Next.js, Express.js, Tailwind, NumPy, Pandas

Technologies and Practices: Git, Docker, PostgreSQL, Supabase, Firebase, AWS, Linux, Selenium, Odoo, Scrum, Agile, Unity, Godot

PROFESSIONAL EXPERIENCE

iCode Bellevue

Coding Instructor

Bellevue, WA

November 2024 - Now

- Teaching 20+ students software engineering practices and programming fundamentals in **Python**, **JavaScript**, **C#** as well as **Object-Oriented** Design and **Mobile App** Development.

Nascom Security

Junior Software Developer

San Diego, CA

March 2024 - September 2024

- Redesigned and customized **Odoo** ERP functionalities and user interfaces using **XML**, **JavaScript**, and **Python**, aligning with business requirements and improving user experience.
- Performed comprehensive testing and debugging of **Odoo** modules, identifying and resolving bugs to ensure system stability and high-quality deliverables.
- Migrated and synchronized 10,000+ records from Salesforce into a centralized database, ensuring data accuracy and accessibility for cross-functional teams.

PROJECTS

TwoFrame.gg - Full Stack Tournament Management Website for Video Games

Founder & Full Stack Developer

- Spearheaded the development of a full-stack web application for managing esports tournaments, inspired by platforms like Start.gg.
- Designed and implemented user authentication and database schema using **Supabase** and **PostgreSQL** for secure and efficient data storage.
- Developed user-centric frontend pages, including profiles and login systems, using **React** and **Next.js**, with a polished design achieved through **HeroUI** and **Tailwind** CSS.

Mobile App Development: Tether

App Developer

- Collaborated with a team of two developers to create a **Flutter**-based mobile app aimed at fostering long-distance connections.
- Designed and developed a **Flutter**-based mobile application for **Android**, leveraging **Firebase** for authentication, **Firestore** for data storage, and **Firebase** Storage for media uploads.
- Collaboratively designed and implemented the messaging system to foster a more intuitive and streamlined user experience.

Full Stack Messaging Web Application

Full Stack Developer

- Created a full-stack messaging app with a **Node.js/Express.js** backend, **PostgreSQL** database, and **React** frontend, ensuring secure user authentication and **RESTful API** integration.
- Achieved 100% test coverage with **Jest** and **Puppeteer**, ensuring reliable functionality.