

# Sean Carlyle

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## EDUCATION

**University of California, Santa Cruz**  
*Bachelor of Science: Computer Science*

**September 2020 - March 2024**  
*GPA: 3.82/4.00*

**Relevant Coursework:** *Computer Systems, Data Structures and Algorithms, Software Engineering, Database Systems*

## WORK EXPERIENCE

### Coding Instructor

**November 2024 - Present**

*iCode Bellevue*

*Bellevue, WA*

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

### Junior Software Developer

**March 2024 - September 2024**

*Nascom Security*

*San Diego, CA*

- 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.

## 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