

Clifford Rodriguez

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, React, JavaScript, HTML/CSS

Frameworks and Libraries: Node.js, JUnit, Next.js, Yarn, Vercel

Developer Tools: Git, AWS, VS Code, PyCharm, IntelliJ, WireShark, VirtualBox, FlareVM, RemNux, Docker

OS : MacOS, Windows, Linux(Kali, Ubuntu)

Office Tools : Excel, PPT, Project, Word, Drive, Docs, Sheets

EDUCATION

California State University, Monterey Bay

Marina, CA

Bachelor of Science in Computer Science, Concentration in Networks and Security

Aug. 2024 – May 2026

Reedley College

Reedley, CA

Associate's in Computer Science

Aug. 2022 – May 2024

EXPERIENCE

Undergraduate Research Assistant

Jan 2025 – Present

CSU Monterey Bay

Marina, CA

- Developing a full-stack web application to showcase the work done in the 3+ research projects.
- Using Node.js, Next.js, and Yarn for full-stack development.

Network Security Team, Secretary

Jan 2025 – Present

CSU Monterey Bay

Marina, CA

- Creating a weekly newsletter to get more students involved in cybersecurity and computer science.
- Take notes on meeting plans, current and upcoming

PROJECTS

Networking and Routing Homelab | *Cisco ASA, Cisco Catalyst Switch, Vlan, Wireguard*

Apr 2025 - Present

- Fully functional homelab using enterprise-grade equipment to simulate real-world network environments.
- This homelab reflects my interest in infrastructure design, security, and hands-on administration of network devices. It's a self-directed project where I continually expand and test new configurations and ideas — simulating production environments in a controlled space.

Malware Analysis Sandbox | *VirtualBox, FlareVM, RemNux*

March 2025

- Developed a Malware Analysis Sandbox using VirtualBox, Windows 10 VM, and REMnux to detect and analyze malware in a controlled environment. Implemented automated behavioral analysis, static and dynamic inspection, and integrated tools for network monitoring, process analysis, and detailed threat reporting.

My Portfolio Website, www.cliffordrodriguez.com | *Node.js, Next.js, Yarn, Vercel*

Feb 2025 - Present

- Built with Next.js for optimized performance, leveraging server-side rendering and static site generation. Backend powered by Node.js for API handling, with Yarn managing dependencies and scripts efficiently.

Farm-Ng, Software Engineer | *Python, TailScale*

Aug 2024 - December 2024

- Participated in a competitive project to build an Amiga robot capable of detecting and measuring artichoke sizes using the Farm-ng Amiga robot platform.
- Coordinating with a team of 5 computer programmers to ensure efficient development of code and integration with the Farm-Ng's API

Engineering technician – Good Year Blimp, Team Member | *CAD, 3D printing, Fabrication*

Aug 2021 – May 2022

- Developed a small-scale model of a Goodyear blimp as part of a class project, designed to collect atmospheric data when launched with a balloon.
- Contributed to design, CAD modeling, and assembly of the model for data collection.