

# Diego Rafael

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## EDUCATION

### University of California, Davis

Bachelor of Science in Computer Science (GPA - 3.5)

Davis, CA

Expected Graduation: 2025

### Diablo Valley College

Associate's in Computer Science (GPA - 3.8)

Pleasant Hill, CA

Aug. 2021 – May 2023

## EXPERIENCE

### Trinchero Family Estates | Full-Stack Developer (Part-Time) | Cloudflare, GES, AWS Lambda, Solid Security Pro (9/24 - 12/24)

- Developed AWS Lambda functions for **One Stop Wine Shop** eCommerce site (**840k+ yearly views, 330k+ users**), automating data transfers to third-party services including Algolia and Yotpo.
- Built shopping feed scripts for Facebook/Google Merchant to increase visibility and drive sales for wine-selling sites.
- Managed Cloudflare DNS for WP Engine sites and integrated Solid Security Pro to fortify website defenses while handling backend integrations.

### Trinchero Family Estates | Full-Stack Developer Intern | PHP, WordPress, WP Engine, Local WP, FileZilla (6/24 - 8/24)

- Enhanced accessibility for multiple company sites, including **Napa Cellars Wine (120k+ yearly views, 71k+ users)**, implementing semantic HTML, ARIA roles, and keyboard navigation to ensure WCAG compliance.
- Collaborated with cross-functional teams to deliver accessibility upgrades that improved usability and site performance while reducing bounce rates.

### ASUCD Pantry | Full-Stack Developer | React, Django, PostgreSQL, Nginx (9/23 - 10/24)

- Helped develop an ordering platform for **1600+ students** using React and Django.
- Worked with the team to integrate Google login with @ucdavis.edu for secure access.
- Assisted in deploying the app with Nginx for handling backend connections.

## PROJECTS (more at [dieg0raf.github.io](https://dieg0raf.github.io))

### Camoor.io - Live Site | Next.js, TypeScript, Prisma, PostgreSQL, AWS S3, CloudFront, Vercel

- Developed and deployed a portfolio platform for UC Davis photographers, facilitating seamless authentication and portfolio showcasing.
- Enabled over **30+ photographers** to present their work, hosting and delivering **5,000+ high-resolution** images efficiently.

### Rivas-Pro-Painting.com - Live Site | Next.js, Django, PostgreSQL, AWS, Heroku, Vercel

- Developed and deployed the full site, showcasing services, portfolio, and contact info.
- Secured **15+ jobs** and gained local traction after launch.
- Built Django API for quote requests, integrated PostgreSQL, and optimized the site for **100+ images**.

### Distributed File System - Github | C++, Bash

- Developed a distributed file server with a custom HTTP/REST API for file operations like create, read, and delete.
- Implemented file storage with a custom bitmap allocation system, redundancy for fault tolerance, and data consistency similar to Amazon S3.

### Custom Web Server - Github | C++, Sockets, HTTP, File I/O

- Built a custom web server in C++ to handle HTTP requests, parse headers, and serve static files.
- Implemented content-type detection, directory listing, and secure file path validation.
- Gained hands-on experience with socket programming, HTTP protocols, and low-level file I/O operations.

## TECHNICAL SKILLS

**Languages:** C/C++, Python, SQL, JavaScript, TypeScript, HTML/CSS, PHP, Bash

**Frameworks/Libraries:** Django, React, Next.js, Bootstrap, Tailwind, WordPress

**Developer Tools:** Git, GitHub, Linux, AWS, REST API, tRPC, Cloudflare, Algolia, Yotpo

**Databases:** AWS S3, PostgreSQL, MongoDB, MySQL, Supabase