Diego Rafael

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EDUCATION

University of California, Davis   Davis, CA
Bachelor of Science in Computer Science (GPA - 3.5)   *Expected Graduation: 2025*

Diablo Valley College   Pleasant Hill, CA
Associate's in Computer Science (GPA - 3.8)   *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*   (9/22 - 10/24)

- Developed agile strategies to improve system flexibility for **1600+ users**.
- Maintained the website, guiding patrons and donors to services and updates.
- Led weekly stand-ups, collaborating with the team to review code and build a positive culture.

PROJECTS (more at dieg0raf.github.io)

Camoora.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.

L-Store Database - Github | *Python*

- Developed a lineage-based columnar database for seamless write-to-read updates and historical data access.
- Implemented concurrency with ReadWriteLocks and transactional workers to ensure high throughput and prevent race conditions.

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, VS Code, Linux, AWS Cloudfront, REST API, tRPC, Cloudflare, Algolia, Yotpo
Databases: AWS S3, PostgreSQL, mongoDB, MySQL, Supabase