

Damian Ly

lydamian@gmail.com

<https://github.com/lydamian>

Highly skilled software engineer with expertise web development. Currently involved at making the best people recommendation algorithm at Raya.

Education

University of California, Irvine Bachelor of Science in Computer Science 3.7 GPA (2017 - 2019)

Work Experience

Backend Software Engineer at *Raya, Los Angeles*
February 2021 - Current

- Designed and implemented an internal A/B testing framework and feature flagging system using Node.js, PostgreSQL, and modern cryptographic hashing algorithms. Saved substantial subscription fees and rolled out 30+ Raya initiatives
- Integrated machine learning with people recommendation algorithm increasing match and like rates by over 5%
- Led a team of 4 engineers to rewrite the People recommendation algorithm, achieving a 40% improvement in key metrics and an 85% reduction in stack generation time. Leveraged parallel processing, Go for improved performance, and utilized S3, Elasticsearch, and Spark
- Led the server team in building infrastructure for audio notes and reactions on the Raya messaging app

Full Stack Software Engineer at *LeaseCalcs, Irvine*
July 2019 - June 2020

- Architected and implemented a tool to identify and correct unbalanced accountant sheets, making the process over speeding up the process 10 fold. Built with PHP, MySQL, HTML, JS and CSS
- Optimized the latency of report generation by over 50% by auditing inefficiency in data storage patterns in SQL, and providing migration solutions with little to no downtime
- Reduced number of clicks by over 300% required to achieve core actions such as report generation, by designing and implementing new user flows

Personal Projects

- austinchessclub.com: Chess club ranking leaderboard and admin portal built with Sveltekit, Tailwind CSS, and Supabase
- fluffypawpal.com: Kitten adoption e-commerce website built with Sveltekit, Tailwind CSS, and Supabase
- austinalliance.church: Static website for the Austin Alliance Church built with wordpress

Open source contributions

- [thomaspoignant/go-feature-flag](https://github.com/thomaspoignant/go-feature-flag)
- [CorentinTh/it-tools](https://github.com/CorentinTh/it-tools)
- [samber/lo](https://github.com/samber/lo)

Featured skills

GoLang, JavaScript, HTML, CSS, React, Svelte, Bash, PostgreSQL NoSQL, Docker

Other skills

PHP, Python, Java, React, Node.js, Express.js, Hapi.js, Django, HTML, CSS, Git, Kubernetes, Cloud Services, AWS, Linux, Sveltekit, Next.js, Datadog, Terraform, C++, C, TailwindCSS