

# Damian Ly

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<https://github.com/lydamian>

## Education

**University of California, Irvine** Bachelor of Science in Computer Science 3.7 GPA

## 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

- [atxchessclub.com](https://atxchessclub.com): Chess club ranking leaderboard and admin portal built with Sveltekit, Tailwind CSS, and Supabase
- [fluffypawpal.com](https://fluffypawpal.com): Kitten adoption e-commerce website built with Sveltekit, Tailwind CSS, and Supabase
- [austinalliance.church](https://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

Go, 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, Vercel