

# Diamond Dinh

✉ [jobs@libdb.so](mailto:jobs@libdb.so) |  [diamondburned](https://github.com/diamondburned) |  <https://libdb.so> |  [Diamond Dinh](#)

## EDUCATION

**California State University, Fullerton**  
*Bachelor of Science in Computer Science*

Fullerton, CA  
Aug 2020 - May 2024

## WORK EXPERIENCE

### Google

*Software Engineer Intern*

Sunnyvale, CA

May 2023 - August 2023

- Developed a high-performance, parallel, and distributed pipeline using Go and Apache Beam to reconcile massive internal log databases with Certificate Transparency logs.
- Improved the security of the certificate issuance pipeline by ensuring the authenticity of certificates issued by Google and preventing missing entries in Certificate Transparency logs.
- Achieved exceptional efficiency, with the pipeline processing millions of log entries in under a minute and running at regular intervals for ongoing security assurance.

### Google

*STEP Intern*

Seattle, WA

May 2022 - August 2022

- Rewrote and modernized a Kubernetes node monitoring tool in Go and integrated it with internal infrastructure and telemetry collector for real-time tracking and performance analysis.
- Led the redesign and development, collaborating with the original team to ensure objectives were met.
- Achieved more reliable system monitoring with better error handling, consistent status reporting to multiple outputs, and valuable telemetry for internal dashboards, reducing on-call resolution time.

### ShiHoYa Inc.

*Backend Developer*

Remote

Feb 2019 - Sep 2020

- Restructured and refactored Go codebase for improved maintainability and adherence to style guides.
- Designed and implemented an automatic CI/CD pipeline for deploying latest releases to AWS EC2 instances using Nix, enhancing development speed and enabling rapid testing by other teams.

## PROJECTS

**Dissent** | Go, C, GTK4

[diamondburned/dissent](#) 

A third-party Discord app designed for a smooth experience on desktops, having 1.2k stars on GitHub.

**ACM at CSUF Servers** | Terraform, Linux, NixOS, Libvirt, CI/CD

[acmcsofoss/acm-server](#) 

Infrastructure-as-code for ACM at CSUF with automatic deployment that vastly improved development speed.

**Layover Party** | Python, FastAPI, OpenAPI, Flutter

[layover.party](#) 

Full-stack web/mobile application to match people with long layover flights, won LAHacks 2023.

## LEADERSHIP

**Association for Computing Machinery at CSUF** | *Dev Team Lead*

August 2023 - June 2024

**Intercollegiate Programming Competition (ICPC)** | *Team Lead*

October 2023

## SKILLS

**Languages:** Go, Bash, JavaScript, TypeScript, Nix, C, C++, Python, Deno, SQL, HTML, CSS, Svelte, Protobuf

**Databases:** PostgreSQL, SQLite, MariaDB, BadgerDB, Redis, InfluxDB, Google Spanner

**Cloud/Infra:** AWS, Cloud-init, GitHub Actions, GitLab CI, Grafana, NixOS, Prometheus, Telegraf, Terraform