

Diamond Dinh

✉ 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
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.

LEADERSHIP

Association for Computing Machinery at CSUF | *Dev Team Lead*
Intercollegiate Programming Competition (ICPC) | *Team Lead*

August 2023 - Present
October 2023


PROJECTS

Dissent | Go, C, GTK4

[diamondburned/dissent](#) 

Native Discord chat client app featured by GNOME with 800+ stars on GitHub.

acm-aws | Terraform, NixOS, GitHub Actions

[acmcusufoss/acm-aws](#) 

Infrastructure-as-code for ACM at CSUF with CI/CD pipelines for AWS and bare-metal.

Layover Party | Python, FastAPI, OpenAPI, Flutter

[layover.party](#) 

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

SKILLS

Languages: Go, Bash, JavaScript, TypeScript, Nix, C, C++, Python, SQL, HTML, CSS

Databases: PostgreSQL, SQLite, MariaDB, BadgerDB, Redis, InfluxDB

Cloud/Infra: Terraform, AWS, GitHub Actions, GitLab CI, Prometheus, Grafana, Apache Beam, Telegraf