

# Eduardo Morales

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## EDUCATION

### University of Illinois Urbana-Champaign

*Bachelor of Science in Mathematics and Computer Science*

Aug. 2022 – May 2026

GPA: 3.87

## EXPERIENCE

### Nextdoor

*Software Engineer Intern*

May 2025 – Aug. 2025

*San Francisco, CA*

- Improved canary promotion speed across 4+ microservices by enabling early promotions based on pod availability, reducing release time by 11% for services using horizontal pod scaling
- Built a Datadog dashboard to monitor canary deployments across 6 microservices by enabling per-cluster agent-based metric scraping, improving observability and reducing average incident triage time by ~30%
- Enabled traffic shifting to experimental images in 2 services by integrating subset-based DestinationRules into open-source canary deployment library, reducing release risk by replacing slow rollback mechanisms
- Led technical evaluation of migrating from Argo Rollouts to Flagger, recommending Argo Rollouts for better maintainability and ecosystem fit—saving developer migration time and impacting 4+ services

### Enova

*Software Engineer Intern*

June 2024 – Aug. 2024

*Chicago, IL*

- Developed an API in Go, receiving pull request (PR) metadata from GitHub's Webhook API to automate sending Slack messages, accelerating organizations code review and integration workflow by 42%
- Created 7 PostgreSQL tables to track PR metadata and API service subscribers, utilizing lookup tables to reduce service's data storage usage and eliminate repeated calls by 30%
- Integrated service metadata into Datadog, revealing service adoption of 23 developers within 3 weeks of launch

### Nextcloud

*Software Engineer Intern*

Nov. 2023 – May 2024

*Stuttgart, Germany*

- Engineered a PHP API enabling MySQL databases to support file metadata storage, enhancing core product functionality with diverse metadata display capabilities, resulting in 2 new display options for file information
- Increased product's accessibility on 14 Vue components by adding focus-traps and keyboard listeners, leading to a BITV certification, securing 2 universities as product customers
- Developed a 'Personal Files' view in TypeScript, improving file distinction and eliminating related support tickets by 90%, earning praise from 12 customers

### University of Illinois Chicago

*Data Analyst Research*

June 2023 – Aug. 2023

*Chicago, IL*

- Analyzed correlations between patent data and job market trends using NumPy, uncovering a 12% annual increase in new remote job positions since 2019
- Conducted statistical analysis using Python to explore the relationship between employment rates and patent grants, revealing an increase in employment rates of 1.1% per 1k patent grants

## PROJECTS

### Workout Tracker and Gym Logger | Go, Firebase, React, Docker | Live Demo

March 2025 – Present

- Engineered a gym progression tracking and login website using React and Go, implementing authentication and storing 200+ workout logs with GCP Firebase, enhancing user experience and attracting 30+ active users
- Deployed application to Railway, leveraging Github Actions to automate Docker image builds and maintain consistent code coverage above 50%, ensuring a streamlined and reliable deployment process

## TECHNICAL SKILLS

**Languages:** Go, TypeScript, JavaScript, PHP, C, C++, Python, SQL, PostgreSQL, MySQL

**Technologies:** Git, Docker, Kubernetes, Helm, Prometheus, DataDog, Amazon Web Services (AWS), Google Cloud Platform (GCP), React, Vue, Tailwind CSS, pandas, NumPy, Matplotlib