

# 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: 3.90

## EXPERIENCE

### 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 workflow by 42%
- Designed and implemented 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 for real-time performance monitoring and alerting, driving adoption by 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* | [repetiswale.com](https://repetiswale.com)

March 2025 – Present

- Engineered a gym progression tracking and login website using React and Go, implementing 2 authentication options with GCP, enhancing user experience and attracting 30+ active users
- Leveraged Firebase Firestore to store 200+ workout logs for 30+ users, increasing user retention significantly
- 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, Amazon Web Services (AWS), Google Cloud Platform (GCP), Datadog, React, Vue, Tailwind CSS, pandas, NumPy, Matplotlib