

# NAZYM ZHIYENGALIYEVA

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## EDUCATION

### Minerva University

B.S. in Computer Science and Data Science | GPA 3.5/4.0

San Francisco, CA

2023 - 2027 (*expected*)

- Relevant Coursework: Data Structures and Algorithms, Multivariable Calculus, Linear Algebra, Formal Analysis

## EXPERIENCE

### Jubo Health Technologies

Taipei, Taiwan

Software Engineering Intern

September - December 2024

- Developed **6** chatbot functions with large language models (LLMs) to enhance data retrieval for an EHR system.
- Delivered project updates and documentation to executives, enhancing communication and presentation skills.
- Optimized backend, supporting data management for **50,000** senior care facility residents, building on project management experience.

### Mastercard

Almaty, Kazakhstan

Technical Project Manager Intern

June - August 2024

- Led research and strategy development for AI/ML implementation in financial institutions.
- Designed an AI maturity assessment tool, coordinating inputs from **100+** financial sector professionals.
- Presented tailored recommendations to executives from **16** banks, fostering actionable AI adoption strategies.

## PROJECTS

### Shyraaq - Language learning app ([Github](#)) | *Next.js, Typescript, Tailwind, React*

February - March 2025

- Built a language learning platform with interactive challenges with AI voice integration and progress tracking.
- Implemented database architecture with **Neon/Drizzle ORM** for course management and progress tracking.
- Developed an **admin** dashboard for content management across multiple courses.

### AI Maturity Assessment Tool ([Frontend](#), [Backend](#), [Deployment](#)) | *React, Node.js*

June - August 2024

- Built an interactive web platform for assessing AI maturity in banks, using **React** and **Express.js**.
- Integrated the **OpenAI API** to process responses, generating tailored AI adoption reports.
- Delivered downloadable PDF reports and optimized system performance using **Node Cache**.

### Gensler Civic Project ([Github](#), [Deployment](#)) | *React, MongoDB*

October 2023 - July 2024

- Conducted **15+** stakeholder interviews in SF and analyzed climate risk data to develop a **React.js** web toolkit.
- Integrated climate news **APIs** and managed **20+** resources via MongoDB.

## LEADERSHIP AND CERTIFICATIONS

- Leading Google Developer Group's technical initiatives as **Tech Lead**, mentoring students and organizing events.
- Maintaining technical blog ([medium.com/@nazym](https://medium.com/@nazym)) documenting machine learning journey and educational [website](#) with interactive CS concept visualizations.
- Successfully completed the DPG Lab course by UNICEF, built a digital public good project, and led a team of 5 girls to the **hackathon final** to pitch it.
- Certified in iOS Development (Grade: 97.3%), developing **8** iOS app projects using Swift.

## TECHNICAL SKILLS

- **Programming languages & Frontend:** JavaScript, TypeScript, Python, Swift, HTML, CSS, React, Three.js
- **Backend & Databases:** Node.js, PostgreSQL, MongoDB, Neon, Drizzle ORM, PyTorch, SciKit-Learn
- **Tools & Platforms:** Git, Github, Gitlab, Figma, Postman, Vercel, Heroku