

# NAZYM ZHIYENGALIYEVA

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## EDUCATION

### Minerva University

B.S., Computer Science, GPA: 3.6 / 4.0

May 2027  
San Francisco, CA

## EXPERIENCE

### Minerva University

Sep 2025 – Present

*CS113 Linear Algebra Teacher Assistant*

- Hosting weekly office hours, helping 40 students strengthen understanding of proofs, problem sets, and key concepts.
- Grading homework and providing detailed feedback, improving student accuracy and comprehension across the course.

### iD Tech Camps

Jun 2025 – Aug 2025

*Python and Machine Learning Instructor*

Berkeley, CA

- Taught Python & ML to high school cohorts of 24 students, guiding them from zero experience to delivering 5-7 projects in 4 days.
- Designed week-long curricula on Tensorflow, Numpy, Pandas, and Matplotlib, using real-world datasets.
- Provided daily code reviews and debugging support, helping students refine their apps into polished demos such as ML image classifiers and chatbots presented at final showcases.

### Jubo Health Technologies

Sep 2024 – Dec 2024

*Software Engineering Intern*

Taipei, Taiwan

- Implemented 6 modular functions with FastAPI and REST APIs to expand chatbot capabilities for a 50,000-user EHR platform.
- Debugged and optimized backend services, reducing API error rates by 25% during QA testing.
- Increased workflow coverage across medical use cases by applying prompt engineering techniques to handle specialized user queries.
- Strengthened maintainability of chatbot features by writing unit and integration tests that prevented regressions.
- Represented team at Taiwan Expo 2024 (70,000+ attendees) as the only student-led group demoing health tech solutions.

### Mastercard

Jun 2024 – Aug 2024

*Technical Project Management Intern*

Almaty, Kazakhstan

- Led the development of an AI maturity assessment platform for banks, aligning technical requirements with business needs.
- Defined technical requirements and timelines for smooth backend development in Node.js/Express.
- Delivered tailored recommendations and dashboards to help 10+ banks to assess and advance their AI adoption strategies.

## PROJECTS

### Shyraq - Language Learning App | TypeScript, Next.js, React, Drizzle ORM | [Github](#)

Mar 2025 – Present

- Developed interactive Kazakh language learning Next.js web app with voice features, progress tracking, and gamified challenges.
- Engineered scalable backend architecture with Drizzle ORM and created admin dashboard for course management.

### KOSQARAS Artist Portfolio | Next.js, TypeScript, React, MongoDB | [Deployment](#)

Apr 2025 – May 2025

- Launched a commissioned multilingual web app with responsive design, media hosting, and secure admin dashboard.
- Attracted 500+ monthly visitors and enabled the client to secure 2 paid commissions from regional artists.

## TECHNICAL SKILLS

- **Languages & Frontend:** JavaScript, TypeScript, Python, Swift, HTML, CSS, React
- **Backend & Databases:** Node.js, PostgreSQL, MongoDB, REST APIs, Next.js
- **ML & Data:** PyTorch, Tensorflow, Scikit-learn, NumPy, Pandas, Matplotlib
- **Tools & Cloud:** Git, Github, Figma, Postman, Vercel, Docker, AWS, Google Cloud

## LEADERSHIP & CERTIFICATIONS

### Google Developer Groups | Tech Lead

Jan 2025 – May 2025

- Organized 5 workshops on React and backend, tripling participation (10 to 30 students) through live coding and interactive exercises.
- Mentored 3 project teams on architecture, GitHub workflows, and task planning, guiding them to deliver production-ready web apps.

### Codepath | iOS Fellow

Feb 2024 – Apr 2024

- Completed an iOS Development (Grade: 97.3%), developing 8 iOS app projects using Swift.