

Aikhan Jumashukurov

609-255-4802 | aj5828@princeton.edu | linkedin.com/in/aikhanjum | github.com/aikhanjum

EDUCATION

Princeton University

Expected May 2029

A.B. in Computer Science

Minors in Statistics and Machine Learning, Applied Mathematics

Competitive Programming Club, Princeton Quantitative Trading, TigerApps

EXPERIENCE

Member of Technical Staff

May 2026 - Jul 2026

Nozomio (YC S25)

San Francisco, CA

- Implemented a warm pool of 5-10 Daytona sandboxes, adjusted capacity based on user activity, and routed folk's incoming agent messages to ready sandboxes to avoid cold starts.
- Led the WhatsApp integration for folk, Nozomio's consumer AI agent, from development to production.
- Built folk's pipeline for streaming meeting transcripts from Recall.ai. Added a silence watchdog to detect and recover stalled recordings.
- Implemented runtime MCP tool discovery so folk could find and connect to new tools during execution.

Software Engineer Intern

Jan 2026, Winter Internship

Sequence Holdings

New York City, NY

- Built a FastAPI orchestration service that routes internal testing tasks through webhooks and launches coding agents to open pull requests.
- Added GitHub Actions workflows for validation, preview environments, and approval gates before merging.

SELECTED PROJECTS

Scout, Lidar Accessibility Rover

Hack the North 2026

- Fixed a Python asyncio control loop stall that triggered the rover's motor watchdog when WebSocket clients read slowly. Limited each client to one send in flight and dropped excess frames.
- Implemented AVR firmware in C++ for an ATmega328P RedBoard, with acknowledged drive commands over 115200 baud USB serial and a 600 ms motor watchdog independent of the Raspberry Pi.
- Binned lidar returns into 360 bearings per scan and streamed them into TimescaleDB using batched COPY writes. Tested against a Node protocol simulator and replayed recorded runs.

Princeton Intelligence, TigerApps

In development, not yet released

- Proposed a LibreChat-based campus assistant and contributed to its chat interface and conversation loop.
- Connected TigerJunction and PrincetonCourses to the assistant through MCP wrappers and an API gateway.

TigerSwipe, People's Choice Winner

Princeton Vibe-a-Thon 2025

- Co-built a React and TypeScript app that turns Princeton inbox messages into swipeable club and event cards, using Gmail integration and Claude for classification.

TECHNICAL SKILLS

Languages C++, Python, TypeScript, SQL

Systems and data Linux, Docker, PostgreSQL, TimescaleDB, Git

SELECTED HONORS

Jane Street Guts++ at Princeton, 3rd Place

2026

MIT Bitcoin Expo Hackathon, Audience Choice Winner

2026

Kyrgyz National Math Olympiad, 1st Place

2022

Singapore and Asian Schools Math Olympiad, Gold Medal

2022