

# Stone Liu

617-792-6757 | [qquantumstone@gmail.com](mailto:qquantumstone@gmail.com) | [www.linkedin.com/in/stone-liu](http://www.linkedin.com/in/stone-liu) | [github.com/stoneliuCS](https://github.com/stoneliuCS)

## EDUCATION

### Northeastern University

Honors Bachelor of Science in Computer Science and Mathematics (GPA: 3.835/4.0)

Boston, MA

Expected May 2026

## TECHNICAL SKILLS

**Languages:** TypeScript/JavaScript, Python, Go, Java, C, C++

**Frameworks:** React.js, React Native, Next.js, Nuxt.js, Vue.js, Temporal

**Data/ML:** PyTorch, NumPy, Pandas, Apache Spark, Polars, OpenCV

**Databases/Infra:** PostgreSQL, MongoDB, PostGIS, Redis, AWS (S3, Lambda, EC2), Kubernetes, Supabase

## EXPERIENCE

### Member of Technical Staff

January 2026 - Present

Agency (Series A)

New York City, NY

- Enabled **30+** customers to create reliable event-driven job workflows with Temporal and integrations across Gmail, Outlook, and Slack.
- Provided customers with real-time streaming notification previews created using Gemini and Claude SDKs, Redis pub/sub, and React Server-Sent Events (SSE).
- Allowed customers to fire scheduled job notifications with trigger events, enabling context-rich overviews of potential opportunities, meeting summaries, and account health changes.

### Software Engineer Co-Op

January 2025 - June 2025

Morse Corporation

Cambridge, MA

- Implemented an F1-score tracking metric for the object-detection evaluation pipeline in C++, improving stakeholder visibility into model regressions.
- Built a scalable test harness with PySpark to process **100M+** model evaluation records in parallel, increasing pipeline reliability.
- Deployed containerized model runners and inference pipelines with OpenCV and Polars, reducing metric turnaround time for model evaluations.

### Software Engineer Co-Op

January 2024 - August 2024

Spill Center

Boston, MA

- Built a web application using Nuxt.js and MongoDB, enabling customers to view detailed reports for **100,000+** cargo tanks.
- Implemented a geospatial alert service using PostGIS spatial queries, enabling triage of **1,000+** incidents within alert groups.
- Created reusable Vue dashboard components allowing **100+** contractors to access detailed spill incident reports.

## PROJECTS

### Generate Technical Challenge Server | Go, TypeScript, Docker, PostgreSQL

November 2025 - December 2025

- Deployed a challenge server using **Go** and **PostgreSQL** handling over **200+** member registrations, and **3,800+** challenge generations and submissions.
- Created scalable autograding for graph problems using property-based testing and shortest-path scoring over large generated test cases.
- Set up production and development pipelines with OpenAPI codegen for end-to-end type-safety, containerized PostgreSQL for integration testing, and Slack-based runtime error alerting for operational visibility.

### Dearly | TypeScript, React Native, Docker, AWS S3/Lambda, PostgreSQL

December 2024 - April 2025

- Built a private family-sharing mobile app with media upload + feed experiences, designed to keep families connected across generations.
- Deployed CI/CD pipelines through GitHub Actions, automating over **500+** integration tests written with Jest and containerized deployments using Docker.
- Cached API requests using TanStack Query and compressed image/audio content through Sharp, leading to an **80%** decrease in API calls and **50%** faster loading times.