Stone Liu

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EDUCATION

Northeastern University Boston, MA
Honors Bachelor of Science in Computer Science and Mathematics (GPA: 3.835/4.0) *Expected May 2026*

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, Python, Go, Java, C, SQL
Frameworks & Libraries: React, React Native, Next.js, Nuxt.js, Vue.js, Temporal
Databases: PostgreSQL, Elasticsearch, MongoDB, Redis
Cloud & DevOps: AWS (S3, Lambda, EC2), Docker, Kubernetes, Git, GitHub Actions, Supabase

EXPERIENCE

Member of Technical Staff January 2026 - Present
Agency (Series A) *New York City, NY*

- Built Temporal workflows powering event-driven job automation for **30+** customer workspaces, integrating Gmail/Outlook/Slack notifications.
- Improved customer prompt iteration times by **50%** through deployments of real-time notification previews using Claude API/SDK, Redis Pub/Sub, and React SSE.
- Deployed recurring context-rich pre-meeting notification jobs on **3000+** pages of meeting data across hundreds of weekly meetings using scheduled Temporal workflows.

Technical Lead June 2025 - Present
Generate Product Development Studio *Boston, MA*

- Designed and deployed a containerized autograding challenge server in Go and PostgreSQL used by **200+** candidates to complete technical challenges.
- Built reusable GitHub Actions and DigitalOcean deployment pipelines used by **8** teams, standardizing CI/CD for **30+** engineers.
- Integrated AWS S3, Lambda, and EC2 with least-privilege IAM and Boto3 enabling secure org-wide artifact access and automation.

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 over **100+** million model evaluation records in parallel, increasing pipeline reliability.
- Improved metric turnaround time by **25%** through streamlining deployments of containerized model runners and inference pipelines with OpenCV and Polars,

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

Dearly | *TypeScript, React Native, Docker, AWS S3/Lambda, PostgreSQL* December 2024 - April 2025
- Built a private family-sharing mobile app with media upload and shared home feed experiences, designed to keep families connected across generations.
- Cached API requests using TanStack Query and compressed image/audio content through Sharp, leading to a **80%** decrease in API calls and **50%** faster loading times.
- Implemented CI/CD using GitHub Actions, automating **500+** integration tests written with Jest and containerized deployments.

Bazaar | *Java, Apache Maven, Bash, Google Gson* September 2024 - December 2024
- Created a distributed trading card game using functional-style Java, where player mechanisms connect over TCP/IP sockets.
- Developed a backtracking algorithm that efficiently searched through millions of candidates using DFS and data accumulators.