

Aaron Kim

Boston, MA

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Education

Northeastern University, Boston, MA

December 2024

Khoury College of Computer Sciences

Bachelor of Science in Computer Science and Mathematics

Coursework: Software Engineering | Web Development | Algorithms and Data Structures | Object-Oriented Design

Skills

Languages: Go | JavaScript (Node.js, TypeScript) | Python | Java | HTML | CSS | SQL

Frameworks/Libraries: Fiber | Echo | Express | React | React Native | Angular | Expo | Flask | Electron | NestJS | Redux Toolkit

Databases: PostgreSQL | MongoDB | SQLite | MySQL

Tools/Technologies: Google Cloud Platform (GCP) | REST API | WebSockets | Docker | Jenkins | Git

Work Experience

Fidelity, Merrimack, NH

January 2025 - Present

Associate Software Engineer

- Optimized Postgres query-heavy Java/Spring REST API endpoint response times by 90% (2s→200ms), improving user experience.
- Built and maintained reusable Angular components with accompanying unit tests for a production web application.

Optum (UnitedHealth Group), Boston, MA

January - July 2024

Software Engineering Co-op

- Deployed a Python/Flask app to GCP Cloud Run that leverages AI to calculate metrics on responses from our Gen AI application.
- Reduced batch metrics compute time by 80% (25min→5 min) through asynchronous programming with asyncio and aiohttp.
- Leveraged Jinja2 HTML templates and Bokeh plots to enhance interpretability and improve stakeholder reporting.

Brooktec, Madrid, Spain

May - August 2023

Software Engineering Co-op

- Leveraged OpenAI's GPT-4 API to gather user stories from meeting minutes and upload them to Redmine via their API.
- Published an npm library that uses OpenAI's API and the Google Drive API to generate stories from minutes in Google Docs.

Optum (UnitedHealth Group), Boston, MA

September - December 2022

Software Engineering Co-op

- Developed automation scripts for testing the front- and back-end of Optum's commercial payments portal with Java/Selenium.
- Developed over 80 automation scripts and reduced the team's manual testing efforts by 15%.

Campus Experience

Platnm (Northeastern Generate Product Development), Boston, MA

September - December 2024

Software Engineer

- Built a music-reviewing app with a Go/Fiber/PostgreSQL REST API and TypeScript/React Native/Expo frontend.
- Implemented Spotify authentication via the standard OAuth 2.0 authorization code flow.
- Mentored 3 fellow university students (2nd/3rd year) on designing and building RESTful services.

Voxeti (Northeastern Generate Product Development), Boston, MA

September - December 2023

Software Engineer

- Built a marketplace web app for 3D printing services with a Go/Echo/MongoDB REST API and TypeScript/React frontend.
- Designed comprehensive test suites using Go's testing package and MongoDB mtest for isolated integration tests.

Project Experience

Go-Chat

May - August 2025

- Developed a real-time chat-room app with a Go/Fiber/PostgreSQL REST API and TypeScript/React frontend.
- Leveraged Go concurrency patterns such as worker pool, pipeline, and context cancellation to optimize performance.
- Focused on robust API design with JWT-based authentication, idempotent endpoints, and server- and client-side caching.

Husky-Connect

October - December 2024

- Developed a Stack Overflow clone with a Node.js/Express/MongoDB REST API and TypeScript/React frontend.
- Implemented session-based authentication with express-session, and real-time chat and notifications with socket.io.