

Aaron Kim

Boston, MA

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Education

Northeastern University, Boston, MA

Expected: December 2024

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Computer Science and Mathematics

Coursework: Artificial Intelligence | Web Development | Algorithms and Data Structures | Object-Oriented Design

Skills

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

Frameworks/Libraries: Echo | Express | React | Electron | Redux Toolkit | RAGAs | LangChain | Selenium

Databases: MongoDB | PostgreSQL

Tools/Technologies: Google Cloud Platform (GCP) | Jupyter Notebook | Docker | Jenkins | Git | Postman | VS Code

Work Experience

Optum, Boston, MA (Python | Jupyter Notebook | RAGAs | LangChain | Docker | Jenkins | GCP)

January 2023 - Present

Software Engineering Co-op

- Designed and implemented a testing framework that leverages RAGAs and other NLP metrics for evaluating our RAG pipeline.
- Developed a Dockerized application with Jenkins automation for consistent and continuous testing.
- Built a feature for generating visualizations of evaluation results, enhancing interpretability and improving stakeholder reporting.

Brooktec, Madrid, Spain (Node.js | Express | JavaScript | REST API | HTML)

May - August, 2023

Software Engineering Co-op

- Leveraged GPT-4 to gather user stories from meeting minutes and upload them to our project management tool.
- Published a library that utilizes the Google Drive API to handle Google Docs that contain meeting minutes.
- Built a web app that uses my library to retrieve meeting minutes, uses OpenAI API to create user stories, and uploads the stories.

Optum, Boston, MA (Java | Selenium | SQL | PostgreSQL | REST API | Postman | Jenkins)

July - December, 2022

Software Engineering Co-op

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

Project Experience

Voxeti (Go | Echo | TypeScript | React | MongoDB | REST API)

September - December 2023

- Developed Voxeti, a platform that connects designers seeking 3D printing services with producers looking to monetize their printing capabilities.
- Engineered CRUD routes in our RESTful back-end API, enabling seamless interaction with our MongoDB database.
- Implemented back-end features including a notification service and a matching algorithm for pairing designers and producers.
- Crafted front-end React components with Material UI to ensure a cohesive and consistent user interface across the platform.

BeGroovy (Node.js | Express | React | MongoDB | REST API)

January 2023 - Present

- Developed BeGroovy, a social media web app that allows users to share and react to each other's favorite songs.
- Implemented authentication using the express-session library, ensuring the security of user data across the application.
- Engineered CRUD routes that wrapped Spotify's Web API, granting access to its vast song database and enabling a personalized user experience for connected Spotify accounts.

Tubender (C++ | TypeScript | React | Electron)

January - April 2024

- Developed an Electron desktop app for Tubender, a portable tube-bending machine that executes G-code.
- Developed C++ scripts that leveraged the OpenCASCADE library to automatically generate G-code from CAD files.

Additional Interests

Basketball | Weightlifting | Experimental hip-hop and rock music | Thriller films | Valorant