

Qihao Lin

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EDUCATION

Northeastern University, Boston, MA | GPA: 3.467 / 4.00

September 2023 - Present

Bachelor of Science in Computer Science | Concentration: Artificial Intelligence

PROJECTS

Amazon Q | *Amazon Web Services, Python*

- Configured AWS services such as SageMaker, DynamoDB, and EC2 to train Amazon Q, Amazon's AI for AWS.
- Integrated together multiple AWS services (Bedrock, Lambda, and API Gateway) to design workflows for Amazon Q.
- Integrated modules that allowed Amazon Q to interact with external systems such as Salesforce and Slack, extending its automation and collaboration capabilities across enterprise environments.

Tensoract | *TypeScript, JQuery, Node.js, Python, MongoDB*

- Developed a data annotation platform for training AI models, enabling efficient labeling of text, audio, images, and video.
- Processed over 3 million high-quality annotations, enabling more accurate and reliable AI model training.
- Users can insert their own AI models through a custom payload system, enabling seamless AI integration for model-assisted labeling and streamlining annotation tasks.

Production Management Tool | *JavaScript, Node.js, React, MongoDB*

- Integrated MongoDB and Greythr to build an internal dashboard that centralized employee data and automated attendance tracking for over 2,000 employees.
- Created a real-time activity-monitoring visualization that tracked clock-in/out times, attendance patterns, and task completion, giving managers a clear view of workforce productivity.

Sheetwise | *JavaScript, Python, Azure, Firebase, Stripe*

- Used Microsoft Azure to develop a cross-platform extension for Google Sheets, Docs, Microsoft Word, and Excel, enabling users to generate text and images via AI models like ChatGPT, Google Gemini, and Perplexity.
- Built a shared backend that allows over 100 users to access accounts across all platforms with saved payment tokens.
- Implemented Stripe for seamless payment processing, ensuring smooth transactions for Sheetwise users.

EXPERIENCE

Objectways Full-Stack Engineer | *Phoenix, Arizona*

Jan 2025 - Sep 2025

- Rapidly developed Tensoract, Sheetwise, and Production Management Tool, shipping all production systems in 4 months.
- Implemented a CI/CD pipeline to automate building, testing, and deployment processes, using GitHub for version control and pull request management to ensure smooth code integration across developers.
- Participated in sprint planning and daily stand-ups, using Jira to track progress and ensure alignment with project timelines.

University of Texas at Dallas STEM CAST Research Intern | *Richardson, Texas*

May 2021 - Aug 2021

- Assisted Professors in the study about the dangers of cyberattacks on Unmanned Aerial Vehicles
- Developed an aerial drone connected to a handheld controller using Python on Raspberry Pi, achieving a 100 percent success rate against cyberattacks such as DDOS
- Presented our findings to a team of 7 professors and 200 other students

HONORS & ACCOLADES

El Paso Computer Science Competition - 1st Place | *El Paso, Texas*

Nov 2022

- Collaborated with a team of 3 to solve advanced programming problems under timed pressure against 20 opponents

Plano East Senior High Coding Competition - 2nd place | *Plano, Texas*

Dec 2021

- Competed against 40 other teams at an advanced programming competition

SKILLS

Languages: Fluent in Mandarin, Fluent in English

Programming Languages: Java, JavaScript, Typescript, Python, MongoDB, Microsoft Azure, AWS (S3, EC2, Bedrock)

Skills: Microsoft Excel, Microsoft Powerpoint, Adobe Premiere Pro, Adobe After Effects, Adobe Photoshop, \LaTeX