

Xiangyi Li

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EDUCATION

San Jose State University
M.S. in Computer Science

San Jose, CA
Sep. 2023 – Dec. 2024

The Chinese University of Hong Kong, Shenzhen
B. Eng. in Computer Science and Engineering

Shenzhen, China
Sep. 2019 – Jun. 2023

WORK EXPERIENCE

Tesla

Fremont, CA

Software Engineer Intern

May. 2024 – Present

- Built features for a Tesla internal system (secret under NDA) in **Angular** and **.NET**. Refined Tesla Design System.
- Able to merge two PRs into release, do code reviews, and create tickets with PM within 5 days of onboarding.

Kimi.ai

San Jose, CA

Founding Engineer

Dec. 2023 – Feb. 2024

- Designed and built an AI anime voice chat app with interactive avatars. Key tech stacks include **React Native**, **Next.js**, PostgreSQL, tRPC. Used Tamagui, Next.js and Expo router for mobile and web cross platform.
- Implemented animation and audio streaming with Next.js. Implemented Live2d avatars with Pixi.js and Unity.
- Oversaw workflow including UI design, backend design, development, and testing. Built CI/CD pipelines with **GitHub Actions** and **Expo EAS**. Interviewed and onboarded two engineers.
- Got \$100k angel fund raising. Shipped the app in 4 weeks. Got **10k** users the first month of launch.

Dolby

Shenzhen, China

Windows Platform Developer Intern

Feb. 2023 – Apr. 2023

- Implemented **Windows** SDKs in **C#** with **.NET Core** generating PC color profile files for **>500k** laptops annually.
- Implemented **RBAC** (Role-Based Access Control) with **.NET Core**. Used **FS** and **MySQL** for storage.
- Collaborated with on-site engineers, product managers, and UX designers to collect customer feedback and transform it into **engineering features**. Resulted in a significant increase in customer satisfaction.
- Took ownership for building environments for dev, QA, preview, and release from the DevOps dept with IIS.

Red Hat

Shenzhen & Beijing, China

Software Engineer Intern (Cloud-native)

May 2022 – Nov. 2022

- Implemented scripts in **Golang** to automate **K8s** APIs that are used in half new features in two future releases.
- Built OpenShift Console Plugins with **React**, **TypeScript**, and **Golang**. Wrote e2e tests in Cypress and Ruby
- Responsible for debugging **Jenkins** CI, fixing **Ruby** scripts. Set up **AWS** network configs and RBAC for tests.

Chinese University of Hong Kong

Shenzhen, China

Research Assistant (Algorithm Implementation)

Feb. 2022 – May 2022

- Wrote gradient descent & canonical correlation analysis **algorithms** in **C++** and **Python** for weather dataset.
- Utilized **JIT** (Just-in-time) compilation techniques with **LLVM** and Numba that sped up computation by **600x**

PROJECTS

[Ask Abe AI](https://ask-abe-beta.vercel.app) - ask-abe-beta.vercel.app

Sep. – Oct. 2023

- Developed an interactive legal agent featuring fast and accurate legal answering using Next.js.
- Implemented **RAG** on **PostgreSQL** with **pgvector** on **Supabase** and **GPT-4**. Created embeddings through OpenAI Embeddings API. Partitioned and indexed vector database with HNSW to increase query speed 20x.

[ChatGPT Detector](#) - *NLP Course Project*

Mar. - May 2023

- Reproduced a **RoBERTa** classification model from a [paper](#) achieving >0.999 sec on original dataset.
- Improved the base model's generalization performance by **4x** after **fine-tuning** on data acquired from LLMs.

SKILLS

Programming Languages: JavaScript, TypeScript, Python, C++, C#, Java, Golang, SQL, R, Mathematica, Matlab.

Framework: React, React Native, Expo, Angular, tRPC, Next.js, Nest.js, .NET,

Professional Software: AWS, GCP, Kubernetes, Docker, Jenkins, Git, GitHub Actions. MySQL, PostgreSQL, MongoDB, Firebase, Supabase. TensorFlow, PyTorch, NumPy, Dask. JVM, Jasmin. Spark, MapReduce, Hadoop, HDFS