

# Xiangyi Li

Email: [lixian9yi@gmail.com](mailto:lixian9yi@gmail.com) | Phone: 408-455-8514 | [www.xiangyi.li](http://www.xiangyi.li)



## EDUCATION

### San Jose State University

M.S. in Computer Science

San Jose, CA

Sep. 2023 – Jun. 2025

### The Chinese University of Hong Kong, Shenzhen

B. Eng. in Computer Science and Engineering

Shenzhen, China

Sep. 2019 – Jun. 2023

**Relevant Courses:** Machine Learning, Optimizations in Machine Learning and Data Science, Linear Algebra, Advanced Statistics and Probability, **Speech and Language Processing**, Deep Learning, Financial Management

## WORK EXPERIENCE

### Imaginix Inc.

Founding Engineer

San Jose, CA

Dec. 2023 – Present

- Built a full stack live2d AI Anime voice chatting app using React Native, Next.js, Supabase, tRPC, and Tamagui.
- Implemented text and audio streaming in React Native using fetch polyfill, with OpenAI and Elevenlabs.
- Built live2d animation using both Unity and Pixi.js. Implemented motions, background music, and speech.
- Oversee the entire workflow from design to product. Led a team of 4 developers. Assigning issues including UI refactoring, screen adjusting, Expo workflow setup, internal tools integration etc. Got two angel fund raising

### Dolby

Windows Platform Developer Intern

Shenzhen, China

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 **ASP.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

Software Engineer Intern (Cloud-native track)

Shenzhen & Beijing, China

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** for better feature visibility.
- Developed tests in **Cypress** for **React OpenShift** web console; developed **BDD** scripts in Ruby and Gherkin.
- Contributed to **OpenShift** verification tests project; responsible for debugging **Jenkins** CI, fixing **Ruby** scripts. Set up **AWS** networking configurations like DNS record types and **RBAC** for setting up integration test.

### Chinese University of Hong Kong

Research Assistant (Algorithm Implementation)

Shenzhen, China

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](https://ask-abe-beta.vercel.app)

Sep. – Oct. 2023

- Developed an interactive legal agent featuring fast database query, accurate legal answers and templating.
- 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, ASP.NET Core, .NET Core,

**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

**Personal:** High school track and field team 18-19. College basketball team 19-20. Made slides for major events in college.