

# Xiangyi Li

www.xiangyi.li

Email : xdotli@outlook.com

Mobile : +1-408-455-8514

## EDUCATION

---

- **San Jose State University** San Jose, CA  
*Master of Science in Computer Science* Sep. 2023 – May 2025
- **The Chinese University of Hong Kong, Shenzhen** Shenzhen, China  
*Bachelor of Engineering in Computer Science and Engineering* Sep. 2019 – Jun. 2023

## EXPERIENCE

---

- **Tesla** Fremont, CA  
*Software Engineer Intern* May 2024 - Present
  - **Full-stack Development:** Iterated features in Tesla Service OS using .NET for RESTful API, thread pool for concurrent processes, and React for UI. Optimized MySQL performance by query caching. Utilized GraphQL for cross-team service integration, Redis for config caching, and Kafka for streaming between services.
  - **Legacy App Migration:** Migrated service app frontend from Angular 8 to 15. >150 features migrated in 4 weeks. Spearheaded user access testing deployment with Kubernetes and Docker.
  - **Internal AI tooling:** Proposed integration with Cohere Command R+ and Llama 3.1 7B model in Continue Fauxpilot extension and HuggingChat. Developed POC with Llama 3.1 405B FP8 with vLLM.
- **Kimi.ai** San Jose, CA  
*Co-founder* Nov 2023 - Feb 2024
  - **Overview:** Built an AI voice chat app with interactive avatars using Expo, Next.js, and Solito, and PostgreSQL.
  - **Technical Highlights:** Animation and audio streaming in Next.js. Live2d avatars with Pixi.js and Unity. CI/CD pipelines with GitHub Actions and Expo EAS. Mono-repo codebase with Yarn 4.
  - **Business Achievement:** Raised \$100k angel funding. Shipped the app in 4 weeks gaining 10k users in a month.
- **Dolby Laboratories** Shenzhen, China  
*Software Engineer Intern* Feb 2023 - May 2023
  - **Windows Development:** Implemented Dolby Vision Windows SDKs with .NET, generating color profile files for >500k laptops annually. Used CMAKE and Ninja to build Vision SDKs for Windows and Chromium.
  - **Full-stack:** Iterated features for Dolby Vision Support portal with Vue.js, ASP.NET Core, MySQL. Implemented real-time communication with SignalR, RBAC with ASP.NET Core Identity, Entity Framework, and JWT.
  - **Product Management:** Initiated feature designing with customers, designers, and field engineers.
- **Red Hat** Beijing, China  
*Software Engineer Intern* May 2022 - Dec 2022
  - **Cloud Native:** Extended Kubernetes APIs with Operator Lifecycle Management in Golang, impact major feature updates in >2 releases. Contributed to community operators like ArgoCD using YAML.
  - **Full-stack:** Built features for OpenShift web console with React, TypeScript, Golang, Cypress, and Ginkgo. Built an internal collaborative editor with React, Node.js, MongoDB, and SocketIO.
  - **CI/CD:** Responsible for debugging Jenkins CI, fixing Ruby scripts. Set up AWS network configs and RBAC.

## PROJECTS

---

- **OpenSDKs.org:** TypeScript runtime that generates standardized SDKs from OpenAPI specs. Featured on Dosu.dev
- **AskAbeAI.com:** Legal AI agent for fast and accurate answering with RAG on PostgreSQL with HNSW indexing.
- **Feedback Prize:** Fine-tuned a RoBERTa model with PyTorch for a Kaggle contest and won a silver medal.

## SKILLS

---

- **Programming Languages:** TypeScript, Python, Golang, C++, C#, Java, SQL, R
- **Frameworks:** React, React Native, Expo, Angular, Vue; Next.js, .NET, Gorilla; PyTorch, TensorFlow
- **Tools & Technologies:** AWS, GCP, Kubernetes, Docker, MySQL, PostgreSQL, MongoDB, Firebase
- **Soft Skills:** Communication, Feature Planning, Agile, Cross-team Functioning, Knowledge Sharing