

Xiangyi Li

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EDUCATION

- **San Jose State University** San Jose, CA
Master of Science in Computer Science Sep. 2023 – Dec. 2024
- **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
 - **Feature Development:** Iterated features with Tesla Rental from zero using Angular and .NET. Took ownership of admin page features. Developed components in React and Angular for Tesla Design System.
 - **Legacy System Migration:** Migrate service app from Angular 8 to 15. >1
 - **Infrastructure:** 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 - Tech Lead 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.
 - **Leadership & Business Achievement:** Interviewed and on-boarded 2 engineers with. Raised \$100k from angel investors. Shipped the app in 4 weeks gaining 10k users in the first month.
- **Dolby Laboratories** Shenzhen, China
Software Engineer Intern Feb 2023 - May 2023
 - **Dolby Vision:** Implemented Dolby Vision Windows SDKs in with .NET, generating color profile files for >500k laptops. Implemented test scripts for compatibility tests on Windows platform.
 - **B2B Web Portal:** Implemented features for Dolby Vision Support portal with Vue.js, ASP.NET Core, MySQL. Took ownership of complicated features like real-time communication with SignalR and RBAC.
 - **Cross-team Collaboration:** Spearheaded feature design collaboration through communication with customers, designers, and field engineers, resulting in >40% increase in customer satisfaction.
- **Red Hat** Beijing, China
Software Engineer Intern May 2022 - Dec 2022
 - **Kubernetes Core Features:** Extended K8s APIs with Operator Lifecycle Managment in Golang, impact major feature updates in >2 releases
 - **OpenShift Console Plugins:** Built plugins with React, TypeScript, and Golang. Wrote e2e tests in Cypress.
 - **CI/CD and Cloud Configuration:** Responsible for debugging Jenkins CI, fixing Ruby scripts. Set up AWS network configs and RBAC for tests.

PROJECTS

- **OpenSDKs.org:** Contributed to bug fixes, documentation, and provided example apps for standardized SDKs generated from OpenAPI specifications. Example apps later featured on Dosu.dev
- **AskAbeAI.com:** Developed an interactive legal agent using Next.js, featuring fast and accurate legal answering with RAG on PostgreSQL and GPT-4. Sped up RAG query speed by 60x by using HNSW indexing and table partitioning.
- **ChatGPT Detector:** Reproduced and improved a RoBERTa classification model, achieving >0.999 accuracy on the original dataset and 4x improvement in generalization.

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, Jenkins, Git, GitHub Actions, MySQL, PostgreSQL, MongoDB, Firebase, Supabase
- **Soft Skills:** Communication, Feature Planning, Agile, Cross-team Functioning, Knowledge Sharing