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. >150 features migrated in 4 weeks.
- **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