

George Li

thegeorgeyli@gmail.com • [linkedin.com/in/thegeorgeyli](https://www.linkedin.com/in/thegeorgeyli) • github.com/AkaCoder404
New Jersey (Open to Relocation). US Citizen.

EDUCATION

Tsinghua University | B.E in Computer Science and Technology | Beijing, China Sep 2018 – July 2023

- Related Courses: Data Structures and Algorithms, Human Computer Interaction, Software Engineering, Artificial Intelligence, Computer Vision, Operating Systems, Object Oriented Programming

PROFESSIONAL EXPERIENCE

Expando.ai | Hong Kong May 2024 – Present

Applied AI/ML Intern (May '24 – Oct '24), **AI Software Developer** (Oct '24 – Present) – Expando.ai

- Designed, built, and launched the Expando.ai SaaS platform from the ground up. Core technical infrastructure built with **Next.js/TailwindCSS/Shadcn** (frontend) and **Supabase** (backend).
- Engineered core modules like authentication, user sessions, scalable subscription and payment processing with **Stripe Connect**, database security (RLS), real-time collaborative features, and multi-channel notifications and reminders with **Resend**.
- Spearheaded the integration of Agentic capabilities using **ADK, AI SDK** and **Vertex Ai**. Architected multi-tool conversational agent, enabling contextual data capture, personalized program recommendations, and RAG-grounded responses.
- Managed staging and production deployment of services with **Github, Coolify** and **Google Cloud Platform**.
- Researched and experimented with Graph Networks with **Neo4j** to optimize partnership discovery.
- Aligned technical strategies with business model, actively contributing to investor meetings to secure funding.

Yau Shing-Tung Center for Mathematical Sciences | **Full-Stack Developer** | Beijing, China Nov 2022 – Jun 2023

- Supported the [International Congress of Basic Science](#), hosting 339 speakers and 179 organizations spanning over 11 days.
- Co-led design and developed a responsive full-stack web application using **ReactJS, Bootstrap** and **Django**.
- Communicated interface mock ups with **Figma**. Deployed onto Taobao **Tengine Web Server**.

Kuaishou Technologies | **Systems Operation Intern** | Beijing, China May 2021 – Nov 2021

- Researched **SDN** and data plane programming methods to prevent DDoS attacks.
- Designed and deployed virtual environments with **Docker** for **P4** programming and experimentation.
- Created comprehensive documentation and P4 programming notes to facilitate team learning and knowledge sharing.

PROJECT EXPERIENCE

Don't Throw Me | Second-Hand E-Commerce Platform based in Hong Kong Mar 2024 – Oct 2024

- Maintained and scaled a live consumer-facing marketplace, rapidly upskilling in **PHP** (CodeIgniter 4) and **Vue.js** to deliver 10+ production-level evolutions.
- Containerized applications with **Docker** and **AWS** Lambda functions for asynchronous event handling (automated reminders, cart clearing). Automated **MySQL** database backups to **AWS S3** with rsync.
- Overhauled media processing and introduced image compression, drastically reducing marketplace load time by 50%.
- Reviewed and rewrote design documentation (**Figma**) and code documentation.

Deterministic Network Stack Protocols in Container Environments | Bachelor's Thesis Jan 2023 – Jun 2023

- Researched Linux's low-level network stack and implemented **SHIM**, a network stack layer enabling **Docker** containers to transparently support deterministic networking and meet **QoS** standards.
- Utilized Linux tools like **Perf/Netperf, mpstat, ethtool** and **TShark** to monitor and optimize network performance.
- Developed packet throughput solutions in **C** using custom built lab environment (CentOS, Intel X520 NICs, Igbxe driver)

IoT Smart Home Visualization | The Future Laboratory at Tsinghua University Aug 2022 – Jan 2023

- Built **Django** backend to ingest, process, and stream sensory data from smart-home IoT devices such as SensFloor®.
- Streamed processed data via Web Sockets to **React/Three.js** frontend application, driving 3D visualizations of environment.
- Promoted research on multi-modal natural human-computer interaction for smart homes.

TECHNICAL SKILLS

Languages: Python, C++/C, SQL, JavaScript/TypeScript, Tailwind CSS. **Frameworks:** PyTorch, React/NextJs, Django, React Native.
Developers Tools: Git/GitHub, Docker, Figma, Supabase, AWS, Google Cloud, Linux, N8N, Jupyter.

HONORS/CERTIFICATIONS/OTHER

CSC Full Scholarship | Tsinghua University Sep 2018 – Jun 2023
AWS Cloud Practitioner | AWS Mar 2024
Deep Learning Specialization, IBM Data Analytics, IBM Data Science | Coursera Jul 2023 – Oct 2023
Research Talent Hub (ITF) Mar 2024 – Present