Alexander Lin

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SKILLS

Languages: Python, Java, Bash, C++, TypeScript, JavaScript, SQL, Swift, HTML/CSS
Frameworks & Libraries: LangChain, FastAPI, Next.js, SvelteKit, Tailwind CSS, Cypress, PyAutoGUI
Cloud & DevOps: Docker, Terraform, GitHub Actions, Google Cloud Run, GCP, Azure, OCI, Vercel
Databases & Enterprise Platforms: Pinecone, Oracle APEX, Oracle EBS, Microsoft Graph API, SharePoint Admin
Systems & Tools: Linux Administration, WSL, Git/GitHub, Microsoft 365 Copilot

EDUCATION

California State Polytechnic University *Pomona, California*
Bachelor of Science – Computer Science / Cum laude *Graduation: December 2025*
Focus areas: Artificial Intelligence, Cybersecurity, Systems & Software Engineering
Oracle APEX Bootcamp — Oracle Developer Tools User Group (Kscope 25) *Dallas Fort-Worth, Texas*
Hands-on training in Oracle APEX, SQL, and PL/SQL application development *June 2025*

EXPERIENCE

TP-Link Systems – Cloud R&D
Backend Engineer *April 2026 – Present*

- Resolve legacy defects in the Omada License Manager microservice, improving reliability of license validation and activation workflows
- Debug and resolve active issues in the Omada Controller platform, maintaining stability across releases
- Contribute to new feature development within Omada Controller, collaborating cross-functionally on design and implementation

Greater Los Angeles Area Mensa
Co-Chair, Digital Communications Committee (Volunteer role) *Feb 2026 – Present*

- Leading the redevelopment of the chapter's public website (glaam.org), including architecture, implementation, and deployment
- Owning the full website lifecycle, from requirements gathering with board members to implementation, testing, and ongoing maintenance.
- Improving site reliability, maintainability, and ease of content updates while reducing the risk of unauthorized or inconsistent changes

APL Services
Full-Stack Developer (Freelance, Single Project) *2025*

- Developed and deployed an AI knowledge search system using RAG architecture over hundreds of internal documents, with automated ingestion pipelines and cloud-hosted availability

California Institute of Technology – Information Management Systems & Services (IMSS) *Pasadena, CA*
Software Engineering Intern *June 2025 – August 2025*

- Automated Java-based validation for Oracle E-Business Suite (EBS), reducing manual QA effort
- Prototyped Microsoft 365 Copilot agents using prompt engineering to streamline timekeeping and benefits reporting workflows

Software Engineering Intern *June 2024 – August 2024*

- Developed Cypress automation for load testing high-traffic class registration systems, ensuring cross-browser stability

NASA CubeSTEP Flight Software
Subteam Lead/NASA M-STAR Student Researcher (School Project) *2023-2025*

- Developed flight software in C++ with NASA's F' framework, tested on spacecraft hardware for mission-critical reliability
- Collaborated with NASA/JPL engineers to integrate and test software with spacecraft hardware