

Raymond Li

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EDUCATION

- Master of Science in Software Engineering, Specialization in Cybersecurity** GPA: 4.0/4.0
San Jose State University 2025 – 2027 (Expected)
• Courses: Security Technologies, Network Security, Data Mining, Database Management, Systems Engineering, AI, ML
- Bachelor of Engineering Science in Software Engineering** GPA: 3.7/4.0
University of Western Ontario 2021 – 2025
• Publication: Optical resolution and MTF of a low-cost Fourier ptychography microscope using a Raspberry Pi computer
• Awards: Dean's Honors List (2022, 2023, 2024)

EXPERIENCE

- WisdomQ** Palo Alto, CA
Data & AI Engineer Intern | TypeScript, React, PostgreSQL, TailwindCSS, Stripe October 2025 – Present
• Optimized the **ranking engine** architecture, reducing search latency by **55%** and doubling throughput via **Node.js** parallelization and prompt engineering optimizations
• Engineered an **automated onboarding pipeline** that parses LinkedIn data to auto-populate profiles, cutting administrative manual entry time by **70%** for **100+** users
• Built scalable **Supabase** and **PostgreSQL** APIs handling **10K+** monthly requests for user discovery and booking systems, enforcing strict **Zod** validation
• Developed an **AI Agent interface** using the **Model Context Protocol**, enabling **100+** beta users to browse and book services directly within a conversational chat experience
- Woyage AI** San Francisco, CA
Software Engineer | Python, FastAPI, MongoDB, Docker, AWS July 2025 – Present
• Built an AI mock-interview platform with a team of **5**; launched paid beta to **500+** users generating **\$100K+** in month 1
• Containerized complex video workflows into streamlined **Docker** and **AWS ECR** pipelines, eliminating manual intervention and reducing deployment effort by **75%**
• Engineered fault-tolerant video services with automated health checks, decreasing production failure rates by **90%**
• Optimized **LLM scoring pipelines** via fine-tuning and asynchronous Python I/O, reducing processing time from hours to minutes (**65%** throughput increase)
• Architected a scalable **GPU rendering infrastructure** on **AWS Batch**, increasing weekly processing capacity by **50%** through distributed parallelization
- AXENTRA OS** London, ON
Software Engineer Intern | FastAPI, Django, GraphQL March 2025 – June 2025
• Integrated AI transcription into a SaaS Django app as the **data ingestion** layer, boosting backend efficiency by **60%**
• Designed an in-memory index for **5K+** transcripts, enabling sub-second lookups and **45%** faster analytics
• Engineered secure REST/GraphQL clients with RBAC for frontend services; shipped internal **dev-tools** for token rotation
• Built a semantic search service over **10K+** documents with LangChain for **RAG**, cutting query latency by **50%**
- Vale Base Metals** Toronto, ON
Data Analyst Intern | Python, SQL May 2024 – February 2025
• Built an end-to-end ETL pipeline ingesting **500K+** records into SQL, cutting reporting latency by **60%**
• Developed a Python batch-update tool for **1,000+** documents, eliminating **90%** of manual effort via AI automations
- Robarts Research Institute** London, ON
Software Engineer Intern | Python, C++, MATLAB May 2023 – May 2024
• Automated an image-processing CI pipeline with **20+** Python scripts, improving diagnostic accuracy by **10%**
• Co-developed a **\$10** diagnostic microscope and co-authored the C++ firmware on Raspberry Pi

PROJECTS

- FormFixer.AI** | React Native, Tailwind, Node, MongoDB
• Shipped a real-time form-correction mobile app, reducing reported injury risk by **40%** and improving gym safety
• Trained an open-source pose-estimation LLM (TensorFlow/PyTorch), boosting keypoint accuracy by **25%**

HONORS & AWARDS

- Best Use of Auth0 & Top 5 @ HackWestern11** | React, Tailwind, Flask, OpenAI API December 2024
1st Place @ Toronto Tech Expo | React, Python, Flask, OpenAI & Spotify API March 2024
2nd Place @ Western Engineering Competition | Python January 2024

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, TypeScript, HTML, CSS, SQL, C/C++, Kotlin, C#, Ruby, PHP
Frameworks: Angular, React Native, React, Node, Express, Next, Vue, Django, Flask
Developer Tools: Git, Linux/Ubuntu, Bash, MongoDB, MySQL, NoSQL, Docker, Jira, Confluence, Power BI, Visio
Cloud & Infrastructure: AWS, Google Cloud, Microsoft Azure, Kubernetes, Cloud Computing, Cloud Infrastructure, IoT