LEON ZHU

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EDUCATION

University of Western Ontario June 2025

Bachelor of Science in Computer Science, Minor in Software Engineering

EXPERIENCE

Data Engineering Intern May 2023 – Aug 2024

JD Power

- Led data engineering for the largest automobile dealership data system in the world, the Power Information Network
- Transformed 8 vendor data streams using Python, BigQuery SQL, and ETLs with 99% test coverage, then monitored the data with Seaborn visualizations
- Aided in company-wide transition to cloud computing using Kubernetes containers and BigQuery workflows, resulting in $2 million saved
- Won Intern of the Year by creating new technological speedups for QA processing, saving 3 hours in labour every day
- Excelled as a technical leader and mentor for 2 junior interns, developing video and textual documentation for the product system from scratch

Mobile Engineer Feb 2025 – March 2025

Mecka AI

- Designed and engineered an AR Robotics iOS app with pose tracking, 6 DoF IMU monitoring, and LIDAR hand tracking
- Rewrote React Native backend to enable performance exceeding 200% of default iPhone limits
- Supported user and stakeholder needs with daily retro analysis of on-device performance, improving latency on older devices by 25%

Voice Quality Controller March 2025 – May 2025

ElevenLabs

- Created the best Chinese AI voice models in the world (leading in FLEURS and Common Voice) using transfer learning methods
- Improved accent performance by 30% across the board by standardizing onto Mandarin Chinese

ACTIVITIES AND PROJECTS

Director of Education, Western AI *(Python, Streamlit, JavaScript)* Oct 2024 – April 2025
- Created and delivered lectures and podcasts on foundational topics in AI, such as Linear Regression, Explainable AI (XAI), and ML Infrastructure
- Designed and implemented a local Retrieval-Augmented Generation AI application using Ollama and OpenWebUI
Links: Regression Demo | Local LLM & RAG Demo | AI Podcast

Campus Ambassador, Warp *(Figma, Unix, Powershell)* Jan 2025 – April 2025
- Led campus outreach at Western University for Warp.dev and created 3 organic growth campaigns with 20,000 total impressions
Links: LinkedIn

TECHNICAL SKILLS

Languages: Python, Java, SQL (MySQL, NoSQL), JavaScript, TypeScript, HTML/CSS
Frameworks: Node.js, Express, Flask, JUnit, Cucumber BDD, Google BigQuery
Developer Tools: Git (CI/CD), Amazon Web Services (AWS), GCP, Postman, Figma, Docker
Libraries: React / React Native, Playwright, Reflex, ThreeJS, scikit-learn, Seaborn