Jason Li

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EDUCATION

Case Western Reserve University | Cleveland, OH **May 2026 (Expected)**

*B.S. in Computer Science and Computer Engineering (Double Major), Economics and Mathematics minor | **GPA**: 4.0/4.0*

Relevant Courses: Algorithms, Data Structures, Intro to AI, Intro to Databases, Intro to Operating Systems, Discrete Math, Logic Design & Computer Organization, Computer Architecture, Linear Algebra, Intro to Game Design

Honors & Awards: Dean's High Honors List (Every semester) | *Tau Beta Pi* Engineering Honor Society (Admissions Committee) | Case Alumni Foundation Junior-Senior Scholarship Recipient (2025) | Frank L. Merat Prize (2025)

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C#, Javascript, Typescript, HTML, CSS, SQL, MATLAB, R, Assembly

Frameworks & Tools: Git, React.js, Node.js, Next.js, Tailwind, PyTorch, Docker, Snowflake, Firebase, CI/CD, Unity, Linux

RELEVANT EXPERIENCE

Software Engineer Intern | 1848 Ventures **Summer 2025**

- Incoming Summer 2025

Full Stack Software Engineer Intern | Eaton Corporation **Jan 2025 - Present**

- Develop RAG powered AI chatbots to simulate customer calls, automating training for call center agents.
- Build a system with JWT authentication, session management, access controlled user management, customizable training modules, and automated criteria based evaluation.

Undergraduate AI/ML Researcher | Prof. Gourav Datta's Lab, CWRU **Jan 2025 - Present**

- Develop a novel KV cache compression technique in PyTorch for inference, using tensor decomposition and token selection to reduce memory with negligible perplexity gain.
- Leverage high-performance computing (HPC) clusters and Linux command line tools to manage experiments, automate workflows, and optimize large-scale AI model training and evaluation.

Lab Teaching Assistant | CWRU **Sep 2024 - Present**

- Conduct weekly lab sessions for 40 students, enhancing hands-on learning of theoretical concepts (2 semesters).
- Grade lab reports and hold office hours to evaluate and reinforce student understanding and skill development.

Software Engineer Intern | Indiana University Office for Research Development **May - Aug 2024**

- Developed a Python-based web platform using Streamlit, OpenAI API, and NSF API, enabling NLP-driven analysis and automated summarization of NSF grant data to identify award trends by institutional characteristics.

PROJECTS

SnapMenu | *TypeScript, React Native (Expo), FastAPI, OpenAI, SerpAPI, Tesseract* **May 2025**

- Built an AI-powered mobile app that scans printed menus and displays enriched dish information with real images.
- Used Tesseract for OCR, GPT-4 for dish summaries and tags, and SerpAPI for real food image search.
- Deployed FastAPI backend with CI/CD on Render; developed cross-platform frontend with Expo and React Native.

ExpressInk (HackCWRU) | *React, Node.js, Omnistack* **Jan 2025**

- Developed an AI-powered app to analyze artwork, providing mood insights for parents of nonverbal autistic children.
- Implemented image upload, interactive drawing, mood visualization over time, event calendar, and secure login.

Premier League Prediction Model | *Python, R, scikit-learn* **Oct 2024**

- Developed a machine learning model using scikit-learn's random forest regression in Python to forecast Premier League standings, achieving R^2 of 0.73 and 75% accuracy within two positions for 2024.