

William Kim

williamcjk11@gmail.com | (773) 415-4606 | williamckim.com | linkedin.com/in/william-c-kim

EDUCATION

University of Pittsburgh
Bachelor of Science in Computer Science

Pittsburgh, PA
April 2024

PROFESSIONAL SUMMARY

Applied AI Engineer specializing in **fine-tuning**, **RAG**, and **AI deployment** across web, mobile, and cloud. Experienced in **LoRA/PEFT**, **ONNX**, and **multi-provider inference** with a proven record of shipping **production-grade ML pipelines**.

RELEVANT EXPERIENCE

Founder & Lead AI Engineer
Self-Launched AI Applications

Barrington, IL
May 2023 – Present

- **Domain-Specific Fine-Tuned LLM (Finance)**
 - Fine-tuning open-source LLMs (Mistral-7B, Qwen-3B) on financial datasets using **LoRA/PEFT + quantization** for efficient inference.
 - Implementing an **evaluation framework (BLEU, ROUGE, F1)** to benchmark domain adaptation against baselines.
 - Deploying optimized ONNX models via **FastAPI + Docker on Cloud Run/Render**, with an interactive **Next.js demo**.
- **AI Research Copilot (Enterprise Doc-Chat)**
 - Built **provider-agnostic RAG pipeline** (FastAPI + pgvector + OpenAI/Ollama) for semantic document retrieval + synthesis.
 - Deployed backend on **Render** with Vercel frontend; secured via **API proxying and provider switching**.
 - Delivered **enterprise-extensible architecture** with embeddings, scalable search, and modular orchestration.
- **SplitChamp AI (Cross-Platform Bill Splitting App)**
 - Engineered finance app (Expo/React Native + FastAPI) with **Azure Document Intelligence + GPT-4/5 OCR parsing** (95%+ accuracy).
 - Applied **post-processing (deduplication, heuristics, tax/tip reconciliation)** → boosted parsing F1 score by 20%.
 - Integrated **CI/CD with Expo EAS**, reducing release rollout from 2 days → **2 hours**.

Athletico Physical Therapy
Physical Therapy Aide

Lake Zurich, IL
October 2024 – Present

- Supported therapists with workflow optimization for 20+ patients daily, improving throughput by 15%.

SKILLS & CERTIFICATIONS

Languages: Python, SQL, C++, Java, JavaScript/TypeScript, HTML/CSS
AI/ML: PyTorch, Hugging Face, LoRA/PEFT, Quantization, ONNX, GPT-4/5, Claude, Ollama, Scikit-learn, OCR (Azure, Tesseract/OpenCV)
Cloud & MLOps: AWS, GCP, Docker, Cloud Run, Render, Vercel, Supabase, CI/CD pipelines, Git/GitHub, Linux/Unix
Frameworks: FastAPI, React Native, Expo, Next.js, TailwindCSS
Certifications: Azure Fundamentals (expected 2025) | AWS Solutions Architect – Associate (target 2025)

INTERESTS

Competitive gymnast — active competitor; daily 4 AM training demonstrates discipline and resilience.