

William Kim

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EDUCATION

University of Pittsburgh

Pittsburgh, PA

Bachelor of Science in Computer Science

April 2024

PROFESSIONAL SUMMARY

AI Engineer who ships **PyTorch/ONNX models** and **GPT-powered apps** into production across **Chrome, mobile, and web**. Experienced in **FastAPI microservices** with **Docker, GCP, AWS**, and delivering real-world AI products.

PROFESSIONAL & TECHNICAL EXPERIENCE

Founder & Lead AI Engineer

Barrington, IL

Self-Launched AI Applications

May 2023 – Present

- **GhostTab AI (Chrome Extension)**
 - Shipped **production-ready Chrome extension**, delivering **OCR capture, summarization, and productivity features**.
 - Deployed **Dockerized FastAPI backend** on **Google Cloud Run**, integrating **ONNX sentiment model** with **Azure/OpenAI hybrid pipeline** → cut inference latency by **35%**.
 - Engineered secure **APIs (CORS, JWT, env vars)** and optimized **CI/CD pipelines** for scalable cloud deployments.
- **SplitChamp AI (Mobile App)**
 - Built **cross-platform mobile app (Expo/React Native + FastAPI)** powered by **Azure Document Intelligence + GPT-4/5** → achieved structured **OCR parsing with 95%+ accuracy**.
 - Designed advanced **post-processing** (deduplication, heuristics, tax/tip reconciliation) → improved parsing **F1 score by 20%**.
 - Implemented feature-flagged **CI/CD with Expo EAS** → reduced release rollout time from **2 days to 2 hours**.
- **ExplainAnything AI (Web App)**
 - Developed **Next.js + OpenAI-powered web app** allowing users to simplify **legal, medical, technical, and academic text** into **Plain English, ELI5/ELI10, or ADHD-friendly formats**.
 - Implemented **multi-mode outputs** (executive TL;DR, legal summary, medical explanation, study notes, translations) → improved **accessibility for diverse users**.

Athletico Physical Therapy

Barrington, IL / Lake Zurich, IL

Physical Therapy Aide

September 2020 – August 2021; October 2024 – Present

- Assisted therapists with workflow optimization, managing care flow for 20+ patients daily → improved throughput by 15%.
- Trained new aides on clinic protocols and best practices, ensuring consistent quality of care.

SKILLS

Languages: Python, C++, Java, JavaScript/TypeScript, SQL, HTML/CSS

AI/ML: PyTorch, ONNX, GPT-4/5, Azure AI, OCR (Tesseract/OpenCV), Scikit-learn

Cloud & DevOps: GCP, AWS, Docker, CI/CD, Supabase, Vercel, Git/GitHub, Linux/Unix

Frameworks: FastAPI, React Native, Expo, Next.js, TailwindCSS

Certifications: Databricks GenAI Fundamentals, Databricks AWS Platform Architect, PMI, Azure AI Engineer (in progress)

INTERESTS

Competitive athlete — 4 AM daily training in swimming, gymnastics, and weightlifting demonstrates discipline.