

William Kim

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EDUCATION

University of Pittsburgh

Bachelor of Science in Computer Science

Pittsburgh, PA

April 2024

PROFESSIONAL SUMMARY

AI Engineer skilled in **PyTorch** → **ONNX model deployment**, **GPT-4/5 orchestration**, and **OCR pipelines** (Azure Document Intelligence, OpenCV). Experienced in designing **cloud-deployed FastAPI microservices with Docker on Google Cloud Run & AWS**, and delivering production-ready AI applications to the **Chrome Web Store and Google Play**.

PROJECTS

GhostTab AI – Chrome Extension · Azure OpenAI · GPT-4/5 · (*roadmap: PyTorch* → *ONNX*)

- **Deployed** AI backend with Docker → Google Cloud Run, integrating ONNX sentiment model and Azure/OpenAI hybrid pipeline for scalable endpoints.
- **Engineered** secure APIs (CORS, env vars, auth headers) and optimized cloud builds with .dockerignore/.gcloudignore.
- **Delivered** Chrome extension front-end consuming AI services (OCR capture, summarization, tab limits, Pomodoro coaching).

SplitChamp AI – Expo/React Native · Python · FastAPI · Azure OCR · GPT-4o/5

- **Built** a mobile app powered by Azure Document Intelligence + GPT-4o/5 pipelines for structured receipt parsing.
- **Designed** Python OCR + FastAPI backend with advanced post-processing (deduplication, heuristics, tax/tip reconciliation), improving parsing accuracy.
- **Implemented** feature-flagged CI/CD pipeline with Expo EAS, enabling staged rollouts and rapid iteration on Google Play.

PROFESSIONAL & TECHNICAL EXPERIENCE

Athletico Physical Therapy

Physical Therapy Aide

Barrington, IL / Lake Zurich, IL

September 2020 – August 2021; October 2024 – Present

- Assisted therapists with setup and managed care flow for 20+ patients daily, improving throughput by 15%.

Founder & Lead AI Engineer

Barrington, IL

AI Engineer (Independent Projects)

May 2023 – Present

- Built AI apps (GhostTab AI, SplitChamp AI) using OCR, GPT-4/5, and Azure AI for productivity and finance.
- Engineered backends (FastAPI, Supabase, AWS, Docker) with auth, RBAC, and Stripe/RevenueCat billing.
- Shipped end-to-end solutions (Chrome extension, mobile apps) with CI/CD; in progress: PyTorch → ONNX classifier for client-side ML.

SKILLS & CERTIFICATIONS

Skills: Python · PyTorch · ONNX · GPT-4/5 · Azure OpenAI · OCR (OpenCV/Tesseract) · FastAPI · Google Cloud Run · AWS · Docker · React/React Native

Certifications: Databricks Generative AI Fundamentals · Databricks AWS Platform Architect · PMI Generative AI Overview · Azure AI Engineer Associate (in progress)

INTERESTS

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