

William Kim

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EDUCATION

University of Pittsburgh

Bachelor of Science in Computer Science

Pittsburgh, PA

April 2024

PROFESSIONAL SUMMARY

AI Engineer & CS graduate experienced in building AI-powered applications with LLMs (GPT-4/5), OCR, and cloud platforms (Azure, AWS, Supabase). Developed full-stack systems supporting thousands of daily API calls with secure, scalable architectures. Skilled in integrating AI to reduce manual work and deliver real-world impact across productivity, finance, and wellness.

PROFESSIONAL & TECHNICAL EXPERIENCE

Founder & Lead AI Engineer

Barrington, IL

AI Engineer (Independent Projects)

May 2023 – Present

- Developed AI-powered applications using Python OCR, GPT-4/5, and Azure AI, applying LLMs to solve real-world problems in productivity, finance, and education.
- Engineered secure, scalable backends with Supabase, AWS, and Docker, implementing authentication, role-based access, and Stripe billing for Free vs Pro tiers.
- Delivered end-to-end solutions from Chrome extensions to mobile apps, including deployment pipelines, Play Store preparation, and feature gating for growth.

Athletico Physical Therapy

Barrington, IL / Lake Zurich, IL

Physical Therapy Aide

September 2020 – August 2021; October 2024 – Present

- Supported therapists with patient setup and protocols, improving treatment throughput by 15%.
- Coordinated care flow for 20+ patients daily, ensuring safety, efficiency, and positive patient experience.

PROJECTS

SplitChamp AI – *Expo/React Native, Python, OCR, GPT-5*

AI-powered bill-splitting app with OCR receipt parsing and AI-driven expense classification

- Developed an OCR pipeline in Python to extract and classify receipt expenses.
- Architected Pro-ready system with feature flags and entitlement checks; deploying to Play Store.

GhostTab AI – *Chrome Extension, OCR, Azure AI, GPT-4/5*

AI-augmented productivity extension for tab management and study focus

- Enhanced extension with OCR-based text capture and Azure AI services.
- Provides smart tab limits, study timers, and real-time contextual coaching.

ExplainAnything.ai – *Next.js, GPT-4, Supabase, Tailwind CSS*

AI text simplification platform for students, professionals, and multilingual users

- Created ELI5 summaries for complex topics with GPT-4.
- Added tone adjustment, multi-model GPT support, and multilingual output.

SKILLS & CERTIFICATIONS

Skills: Python · GPT-4/5 Integration · OCR (OpenCV/Tesseract) · Azure AI · AWS · React/Next.js · Docker

Certifications: Databricks Generative AI Fundamentals · Databricks AWS Platform Architect · PMI Generative AI Overview

INTERESTS

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