

William Kim

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EDUCATION

University of Pittsburgh

Bachelor of Science in Computer Science

Pittsburgh, PA

April 2024

PROFESSIONAL & TECHNICAL EXPERIENCE

Founder & Lead Software Engineer – Independent Projects

Barrington, IL

Software Engineer (Independent Projects)

May 2023 – Present

- Developed and launched 5 AI-powered applications in education, productivity, and finance, reaching 1,000+ users.
- Engineered secure, scalable cloud solutions with Supabase and AWS, supporting thousands of daily API calls with real-time authentication, analytics, and role-based access control.
- Integrated advanced LLM capabilities (GPT-4 & GPT-5) to reduce manual task time by up to 90% in use cases like financial report generation, journaling insights, and text simplification.

Athletico Physical Therapy – Physical Therapy Aide

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

Doyrix – Hybrid Stack (Next.js frontend + Python FastAPI backend), GPT-5, Supabase, Stripe — (In Development)

AI-powered investing tool for financial analysis and client-ready summaries

- Engineered an AI-driven financial analysis platform, reducing client report preparation time from 1 hour to under 3 minutes, leveraging GPT-5, Supabase, and Stripe for secure delivery.
- Implemented Free vs Pro tiers with Supabase authentication and Stripe billing.

CJ Reflecta – React Native, Expo, GPT-5, AsyncStorage — (In Development)

AI-powered mobile app for guided self-reflection and mental wellness

- Developed an AI-powered mobile journaling app providing real-time GPT-5 feedback, reducing user journaling time by 40% and increasing daily engagement to 75%.
- Integrated secure local storage, mood tracking, and daily insights to enhance emotional wellness engagement.

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

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

- Created an AI-powered text simplification platform with ELI5 summaries for complex topics.
- Supported tone adjustment, multiple GPT models, and multilingual output for diverse users.

SKILLS & TOOLS

Languages & Frameworks: Python, JavaScript, TypeScript, SQL, Java, C++, React, Next.js, FastAPI, Tailwind CSS

Data & Analysis: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, MySQL, Excel, Jupyter Notebook

Cloud & Tools: AWS, Azure, GCP, Supabase, Firebase, Vercel, GitHub, APIs, Salesforce, SAP

Certifications: Data Landscape of GenAI for Project Managers (PMI), Generative AI Overview for Project Managers (PMI), AWS Databricks Platform Architect, Generative AI Fundamentals (Databricks), *Azure AI (in progress)*

INTERESTS

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