William Kim

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

EDUCATION

University of Pittsburgh   **Pittsburgh, PA**
Bachelor of Science in Computer Science   *April 2024*

PROFESSIONAL SUMMARY

Software Engineer and CS graduate with certifications in Generative AI, Cloud, and Cybersecurity. Built AI-powered applications and full-stack projects integrating GPT-4/5, cloud platforms, and secure architectures across domains, including finance, wellness, and education.

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

Skills: Python, JavaScript, React, Next.js, FastAPI, SQL, Pandas, NumPy, Power BI, AWS, Docker, GitHub
Certifications: Databricks Generative AI Fundamentals · Databricks AWS Platform Architect · PMI Generative AI Overview · PMI Data Landscape of GenAI · IBM Cybersecurity · IBM Enterprise Design Thinking

INTERESTS

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