

William Kim

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EDUCATION

University of Pittsburgh

Bachelor of Science in Computer Science

Pittsburgh, PA

August 2021 – April 2024

Indiana University

Coursework toward B.S. in Chemistry (Transferred)

Bloomington, IN

August 2019 – May 2021

- Air Force ROTC Cadet, 2019-2020

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.
- Architected scalable cloud solutions with Supabase and AWS for real-time authentication, analytics, and thousands of daily API calls.

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 and efficiency.

TECHNICAL 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

- Built an AI platform to analyze 10-K/10-Q filings with page-level citations, enabling RIAs to produce client-ready one-pagers in under 3 minutes.
- 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

- Built an AI-powered journaling app with real-time GPT-4 feedback and guided self-reflection features, reducing user journaling time by 40% and boosting 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: AWS Databricks Platform Architect, Generative AI Fundamentals

INTERESTS

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