

William Kim

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EDUCATION

University of Pittsburgh

Bachelor of Science in Computer Science

Pittsburgh, PA

April 2024

PROFESSIONAL SUMMARY

Data & Business Analyst skilled in transforming raw data into actionable business insights through **SQL, Power BI, and Python automation**. Builds performant data models, dashboards, and automated KPI pipelines that improve decision-making and operational visibility. Passionate about bridging analytics and engineering—leveraging data models, visualization, and applied AI to drive measurable impact.

PROFESSIONAL & TECHNICAL EXPERIENCE

Independent Analytics Projects (Portfolio)

Barrington, IL

Freelance Data & Analytics Engineer

May 2023 – Present

- **Snowflake + Power BI Analytics (End-to-End Portfolio Pipeline)**
 - Designed a Snowflake data warehouse with normalized schemas for customers, orders, and products.
 - Built SQL transformations and automated KPI pipelines (revenue, margin, MoM growth, LTV) to enable real-time business visibility.
 - Developed interactive Power BI dashboards with drill-downs for executives, reducing manual reporting cycles by 40 %.
- **FP&A AI Dashboard**
 - Engineered a Python (Pandas, Statsmodels) forecasting backend connected to Power BI for rolling 3–6 month variance analysis and automated executive briefings.
 - Delivered data visualizations for revenue, cash flow, and forecast accuracy tracking to improve financial planning efficiency.
 - Implemented data refresh automation and cloud deployment to maintain 99 % data availability.
- **KPIFlow AI**
 - Built a self-serve KPI dashboard app (Python + Streamlit) that transformed raw data into interactive business insights.
 - Automated ETL and data cleansing to reduce manual reporting time by 50 % and enhance data trust across users.
 - Integrated Azure OpenAI for natural-language insight generation, making dashboards intuitive for non-technical stakeholders.

SKILLS & CERTIFICATIONS

Data Visualization & Analytics: Power BI, Tableau, Excel, SQL (Snowflake, PostgreSQL), Python (Pandas, Statsmodels)

Modeling & ETL: Data Normalization, KPI Pipelines, Schema Design, Query Optimization

Visualization & Reporting: Power BI Dashboards, Drill-downs, Financial Analytics

Cloud & Dev: Azure, BigQuery, Databricks, Docker, Git/GitHub, Google Cloud Run

Certifications: IBM Data Analyst (In Progress) • IBM Generative AI for Data Analysts (In Progress) • Azure AI Engineer (Exam Oct 2025) • Databricks Generative AI Fundamentals

INTERESTS

Competitive gymnast — active competitor; daily 4 AM training demonstrates discipline and resilience.