Kyu (Q) Kim

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CAREER OBJECTIVE

I am a dedicated, detail-oriented individual with experience in software design, machine learning, and data analysis. I am curious and committed to continuously learning. With experience in managing large datasets, optimizing data structure, AI integration, and cloud implementation, I am eager to apply my analytical skills to aid in organizational development.

CURRENT PROJECTS

Advanced Blockchain Database   April 2024
- Through system analysis and backend optimization, enhanced the transaction processing speed and reliability. Restructured the existing blockchain application to segregate the client interface from the database backend, enhancing modularity and system clarity.
- Implemented multi-threading to manage background tasks such as auto-hashing, significantly boosting the system's efficiency and responsiveness.

EDUCATION

Vanderbilt University (Nashville, TN)   August 2022 - May 2026

Major in **Computer Science** and **Human and Organizational Development**

Minor in **Data Science**

Notable Courses: Intermediate Software Design, Programming and Problem Solving, Applied Human Development, Programming Design and Data Structures, Applied Machine Learning, Talent Management and Organizational Fit, Understanding Organizations

WORK EXPERIENCE

Happy Sun Enterprise   Duluth, GA
- *Marketing Coordinator and Data Analyst Intern*   July 2023 - February 2024
  - Monitored and analyzed sales performance, identifying trends, and implementing strategies to improve sales and profitability. Increased profits for online advertisements by 21.6%.
  - Developed and executed strategies to improve product visibility and rankings on Google and Amazon. Employed data-driven insights to enhance the quality of product listings.

- *Data Analyst Intern*   May 2024 - August 2024
  - Developed a comprehensive database on PostgreSQL to store and manage sales and product data.
  - Created a chatbot integrated with the database to facilitate automated data retrieval and analysis using OpenAI's API, enabling real-time insights and decision-making. It dynamically analyzes sales data across different years and quarters to compare key metrics, perform analyses, and graph data.

PUBLICATION

Data Visualization and Interactive Dashboards with Python   Published January 2024
Book co-author
- A comprehensive guide for data management, analysis, and interactive visualization utilizing Jupyter, Plotly, Dash with Github, Heroku, AWS, and Google Cloud
- Detailed explanation of data analysis and visualization fundamentals, demonstrated through real-world examples like revenue and Covid-19 analysis.

ACTIVITIES

Asian American Student Association - Foster empowerment of Asian and Asian American cultures through hosting social events. Involved in organizing and promoting various social and cultural events.

SKILLS

Java, Python, RStudio, Microsoft Suite, Heroku, C++, AWS Beanstalk, HTML/CSS, Web3, PostgreSQL, Natural Language Processing (NLP), Streamlit, Machine Learning, Chatbot Development, Database Management, Korean