KIM KHAI NGUYEN

Availability: Full-time opportunities starting May 2025

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EDUCATION

Nanyang Technological University   Aug 2021 - Jun 2025

Bachelor of Engineering (Electrical and Electronic Engineering), Honours (Highest Distinction)

· Specialisation: Data Analysis and Machine Learning
· Awards: Dean's List for Academic Year 2023-2024

WORK EXPERIENCES

Corning Singapore Holdings Private Limited, *Data Analyst Intern*   June 2023 - Dec 2023

· **Achieved a 5% cost reduction** for APAC by utilizing **Natural Language Processing** in **Jupyter Notebook** to analyze global spending data, identifying bulk purchase discount opportunities.
· **Optimized 29 dashboards in Power BI** leading to faster data insights and improved decision-making processes.
· Developed an **automated VBA solution for supplier performance reporting**, boosting report efficiency by 100%.

Meiyume (Singapore) Pte. Limited, *Data Management & Analytics Intern*   May 2024 - Aug 2024

· Designed and implemented the **HR Dashboard and Sustainability Dashboard** incorporating comprehensive visualization and forecasting features to enable proactive decision-making and streamline the data pipeline with **AWS integration**.
· Conducted **topic modeling and sentiment analysis** on luxury fragrance packaging for **COTY** using **Python and OpenAI**, identifying key design elements and consumer sentiment tailored for APAC markets.
· **Analyzed leading UK skincare brands** for **The Body Shop**, using **Llama 3**, identifying key ingredients and consumer sentiment that informed product development.

Industrial Scientific Corporation, *Business Analyst Intern*   Sep 2024 - Jan 2025

· **Developed actionable metrics and dashboards** to drive strategic decision-making and improve sales performance based on comprehensive sales data analysis.
· Ensured the accuracy of **tendering commercial documentation**, aligning with company standards and client requirements.
· Assisted in planning and optimizing **digital marketing campaigns**, utilizing market research to enhance targeting and engagement strategies.

INDUSTRIAL PROJECTS

BASF - Chemetall Supply Chain Process Optimization Project   Oct 2024 - Dec 2024

Material & Warehouse Planning Process Optimization by Digitalization

· **Enhanced demand and warehouse planning efficiency by 15%** and strengthened coordination between **Chemetall, 3PL, and suppliers** by automating **GIB forecast report generation**, including **forecast accuracy analysis**, while streamlining **inbound shipment management** to reduce delays and improve communication.

NTU Final Year Project   Aug 2024 – May 2025

GraphRAG-GNN: Enhancing Reasoning Capabilities in Complex Financial Query Handling

· Assessed the effectiveness of **RAG, GraphRAG, and GraphRAG-GNN models** in extracting and analyzing financial information, highlighting their **accuracy, efficiency, and relevance**.
· Showcased **GraphRAG-GNN's exceptional ability** to handle complex financial queries, delivering more precise insights and reliable answers for financial analysis.
· Awarded **Distinction Grade** upon project completion.

Bank Customers Churn Predictor   Feb 2024 – Mar 2024

A Data-driven Approach to Forecasting and Mitigating Customer Attrition

· Predicted churn for **10,000+ credit card customers** by analyzing demographics, credit history, and product usage, boosting model accuracy by **12%** through advanced feature engineering.
· Used **SHAP (SHapley Additive exPlanations)** to reveal key churn factors, offering actionable insights to improve customer retention strategies.

LEADERSHIP / EXTRACURRICULAR ACTIVITIES

NTU Vietnamese Freshmen Orientation Camp, *Group Leader*   Jun 2022 – Aug 2022

· Led a team of **40 members**, including freshmen, during a **3-day camp**.
· Planned and hosted various Orientation Group events, such as **Bonding Sessions, Outing Day**, and other camp activities.
· Provided guidance and support to freshmen to help them adapt to **NTU campus life** and academic aspects effectively.

SKILLS

· **Programming Languages & Tools:** Python, R, SQL, Visual Basic Code (VBA), Power BI, Tableau, Octoparse.
· **Data Science & Machine Learning:** TensorFlow, PyTorch, Scikit-Learn, Pandas, Numpy, Hugging Face, LangChain, Selenium.
· **Big Data & Cloud Computing:** AWS (S3, Redshift), Google Cloud Platform, Spark, Hadoop, MySQL, PostgreSQL, Oracle.
· **Soft Skills:** Team player, Self-motivated, Detail-oriented, Problem-solving, Initiative.