Ngan (Kris) Huynh

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SKILLS

Programming Languages: Python (Pandas, Numpy, Matplotlib, Scikit-learn, Tensorflow)
Databases: PostgreSQL, MySQL, MongoDB
BI & Visualization Tools: Tableau, MS Excel (Pivot Table, VLOOKUP, Conditional Formatting)

EXPERIENCE

New Jersey City University Jersey City, NJ
Undergraduate AI/ML Research Assistant Sep 2025 - Present

- Conduct AI/ML research in collaboration with faculty and NASA Goddard, focusing on model development and benchmark validation using Python (TensorFlow, scikit-learn).

New Jersey City University Jersey City, NJ
Summer Research Intern Jun 2025 - Aug 2025

- Conducted predictive modeling and regression analysis on real-world datasets to identify the best-performing models.
- Applied data preprocessing, feature engineering, exploratory data analysis (EDA), and model validation to ensure data integrity and model reliability.
- Evaluated and compared multiple models using **Python (Pandas, NumPy, Matplotlib, scikit-learn)** to improve accuracy.
- Collaborated with faculty mentors to interpret model outputs and translate findings into actionable insights for research papers.

Shinhan Vietnam Finance Company Ho Chi Minh, Vietnam
Data Analyst Mar 2023 - Jun 2024
Data Analyst Intern June 2022 - Aug 2022

- Queried, cleaned, and organized large datasets using **SQL** for customer segmentation and market performance analysis.
- Built interactive dashboards with **Tableau** and analyzed performance metrics using **Excel.**
- Created analytical reports supporting management decisions, contributing to a 20% increase in loan application conversion rate.

PROJECTS

Predicting On-Time Shipping with Machine Learning Oct 2025

- **Developed and deployed a machine learning model** using **Python (pandas, scikit-learn)** to predict on-time vs late shipments from over 43,000 Amazon delivery records, achieving 80% accuracy and an F1-score of 0.80.
- **Applied Logistic Regression and SVM classifiers**, evaluated through confusion matrices and ROC-AUC, improving the reliability of shipment time prediction.
- **Implemented PCA with K-Means clustering** to segment delivery behavior into 4 operational clusters, identifying high-risk delay zones and improving route efficiency.

Sales Performance Analysis June 2025

- Created a dynamic **Tableau** dashboard with 7 visualizations to analyze key performance metrics across product categories and outlet locations.
- Analyzed sales, customer satisfaction, and outlet performance data using **SQL** and **Python**, uncovering major trends across 8,500+ products and multiple store tiers.
- Developed 4 KPIs to identify market opportunities and actionable insights, including determining which customer segments to target based on purchasing behavior.
- Improved business decision-making efficiency by providing data-driven insights that aligned campaign focus with high-performing product and outlet categories.

Data Warehouse and Analytics March 2025

- Designed and implemented a **data warehouse architecture** using PostgreSQL, following the **Medallion (Bronze, Silver, Gold) model** to optimize data reliability and reporting.
- Built **ETL pipelines** to extract data from ERP and CRM systems, transform it with SQL scripts, and load it into warehouse tables for analysis.
- Developed **data models,** including **fact and dimension tables**, supporting analytical queries and reporting.
- Created **SQL-based dashboards and reports** to analyze customer behavior, product performance, and sales trends.
- Ensured **data quality** through cleansing, standardization, and validation processes.

EDUCATION

New Jersey City University, Jersey City, New Jersey Expected May 2026
Bachelor of Science in Computer Science - GPA: 3.9

Broward College, Ho Chi Minh, Vietnam Dec 2022
Associate of Science in Software Development - GPA: 3.5