

QUANG NGUYEN HUY

Data Analyst Specialist

Go Vap, Ho Chi Minh — nguyenhuyquangvt@gmail.com — www.linkedin.com/in/zen123 — 0854624879

EDUCATION

VNUHCM - University Of Science

Sep 2020 — Oct 2023

Bachelor of Mathematics and Computer Science

GPA: 8.04/10 (3.42/4.0)

Specialization: Statistics & Probability

VNUHCM - University Of Science

Dec 2023 — Dec 2025

Master of Data Science

GPA: 9.0/10 (3.8/4.0)

WORK EXPERIENCE

Teaching Assistant — VNUHCM - University Of Science

Oct 2024 — Jan 2025

- Assist in teaching **Power BI** for **Data Visualization**, by preparing course materials and supporting students.
- Guide students in creating reports and dashboards.
- Evaluate and provide feedback on student work.

PROJECTS

* **WordNet and Oxford Dictionary Integration.** — Python (NLTK, Numpy, Scikit-learn, Streamlit)

- Develop a web app using the GTE Large model (Huggingface) to integrate English and Vietnamese definitions, pronunciation, part of speech, synonyms, antonyms, example sentences, and related words from both WordNet and the Oxford Dictionary, offering comprehensive and real-time word lookups with contextual suggestions. The app will also use semantic analysis to improve vocabulary and comprehension efficiently.

* **Personal Data Management System with Chip-based ID Card.** — Python, MongoDB.

- Designs a NoSQL database using Python and MongoDB to manage citizen information via chip-embedded ID cards.
- Supports querying of personal, family, insurance, and residence history data.
- Automates administrative processes such as household transfers and civil registrations.

* **Hotel Booking Demand Prediction.** Language: Python.

- Performs data preprocessing (feature engineering, categorical variable handling).
- Uses Exploratory Data Analysis (EDA) techniques, including correlation matrices for visualization.
- Applies **Machine Learning** algorithms (Logistic Regression, Decision Tree, Random Forest) to forecast hotel booking demand.
- Visualizes results with interactive plots to support decision-making.

SKILLS

- **Programming Languages:** Python (Pandas, Numpy), R.
- **Database Management:** SQL - Server, MongoDB.
- **Machine Learning: Regression:** Linear Regression; **Classification:** Logistic Regression, Naive Bayes, K-Nearest Neighbors (KNN), Support Vector Machines (SVM); **Clustering:** K-Means.
- **Data Visualization Tools:** Microsoft Power BI (DAX).
- **Others :** ETL (Extract, Transform, Load).
- **Soft Skills:** Problem-solving, Analytical thinking, Eager to learn, Teamwork skills.

CERTIFICATIONS

- **English:** VSTEP (B1).
- **Scientific Computing with Python - FreeCodeCamp.**
- **Data Analyst with R - DataCamp.**
- **Statistics Fundamentals with R - DataCamp.**
- **Google Data Analytics - Coursera.**
- **SQL (Basic, Intermediate, Advanced) - Hackerrank.**