

NGUYEN HUU TRIEU

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EDUCATION

Hanoi University of Architecture

Ha Noi, Vietnam

Bachelor of Engineering in Information Technology

Sep 2022 – Mar 2027 (expected)

- GPA: 3.1 / 4.0
- Relevant Coursework: Probability & Statistics, Database Systems, Data Warehousing & Mining, Information Systems Analysis, AI Fundamentals, Decision Support Systems

TECHNICAL SKILLS

Data Preparation & Processing: Python (Pandas, NumPy), Excel (advanced formulas, PivotTable), EDA & data cleaning

Databases & Modeling: PostgreSQL, SQL (window functions, CTEs), star schema design

Visualization & BI: Power BI, Tableau, DAX, dashboard design

Other Tools: Jupyter Notebook, Git & GitHub

PROJECTS

Vietnamese Banking Stocks — Return & Risk Analysis

Jun 2026 – Jul 2026

Solo — Data Analyst | Personal Portfolio Project

- Built an end-to-end pipeline analysing return, volatility, and systemic risk (beta) for 10 listed Vietnamese banking stocks (state-owned vs. private) using daily price and quarterly financial data from Jan 2024 to Jul 2026.
- Collected data via the vnstock Python library and modeled a star schema in PostgreSQL (dim_company, fact_price_daily, fact_financial_quarterly) with staging tables for raw data.
- Wrote SQL window functions for daily return, 20-day rolling volatility, and 60-day rolling beta (via REGR_SLOPE against VN-Index), and validated results by independently recomputing metrics in Python (pandas/NumPy), confirming a match to 5+ decimal places.
- Ran 6 data-quality checks (nulls, duplicates, trading-day gaps, OHLC logic) directly in SQL and resolved a duplicate-quarter reporting issue in the source financial data.
- Delivered a Power BI dashboard (indexed price trends, risk/return ranking table with Z-score alerts, and a volatility-return-beta bubble chart) with DAX measures, surfacing that private banks offered a better average risk/return profile than state-owned banks over the period.
- Published full pipeline on GitHub: github.com/trieunguyenhuu/vn-banking-return-risk-analysis

Shopee Sale 5.5 — Marketing Campaign Analysis

Apr 2026 – May 2026

Solo — Data Analyst | Personal Portfolio Project

- Analysed 1,000 ad campaigns across 5 platforms (Facebook Ads, TikTok Ads, Google Ads, Instagram, Shopee Ads) for the Shopee 5.5 sale event.
- Cleaned raw data with Python/pandas: normalised platform names, parsed mixed-format numbers ("1.5k", "574đ", null), and handled 10+ inconsistent date formats.
- Conducted EDA in Jupyter Notebook: distribution analysis, IQR-based outlier detection, and cross-platform correlation analysis.
- Built a 2-page Power BI dashboard with DAX measures (ROAS, CTR, CPC, CVR); surfaced that Shopee Ads achieved the highest ROAS (6.02) while being underinvested relative to TikTok.
- Published full pipeline on GitHub: github.com/trieunguyenhuu/shopee-marketing-analysis

CERTIFICATIONS

Google Data Analytics Professional Certificate

2026

Google | Coursera

ADDITIONAL INFORMATION

Languages: Vietnamese (native), English (intermediate — technical reading & writing)

Interests: Data engineering, recommendation systems, ad-tech analytics, open-source contribution

Availability: Immediate — open to full-time internship or part-time arrangement