

Nguyen Dang Quang (Quang Nguyen)

Lac Trung Str, Hanoi, Vietnam | (+84) 869215540 | ndquang126@gmail.com

SKILL

- Language: Vietnamese, English (C1)
- Computational Skills:
 - + MS Office.
 - + Python, C/Cpp, R, SQL, Dax
 - + Web Programming: HTML, CSS, JS, Django, Markdown.
 - + Library: pandas, numpy, matplotlib, seaborn, statsmodels, scikit learn, tensorflow; dplyr, ggplot2, tidymodels, fportfolio.
 - + Visualization with PowerBI, Tableau.
 - + Graphic Design: Canva, Adobe Illustrator, Adobe Premiere, and Adobe Photoshop.
- Interest: Fintech, Financial Modeling, Data Analysis
- Soft skills: Teamwork, Presentation, Analytical Thinking, Critical Thinking, Communication, Adaptability

EDUCATION

National Economics University

Vietnam, 2020 – 2024

Bachelor of Financial Technology | GPA: 3.74/4.00

Related Coursework: Economics, Statistics, Linear Algebra, Calculus, Econometrics, Discrete Mathematics, Programming, Financial Investment, Financial Statement Analysis, Financial Big Data Analytics, Applied Financial Software Packages, Financial Statement Analysis, Financial Management, Topic in Financial Institutions and Risk Management, and Portfolio Investment Management

External Coursework: The Data Science Course: Complete Data Science Bootcamp (Certified by Udemy)

WORK EXPERIENCE

June 2023 – November 2023

Data Analyst, Vinatex International Joint Stock Company – Hanoi Branch, Hanoi, Hoang Mai

- Utilized SQL to retrieve data from the data warehouse and employed Power BI to generate visual representations, including control charts and trend graphs, for sales and cost structure reports on a monthly and quarterly basis.
- Created reports on product defects, and collaborated with quality control teams and production managers to optimize cost structures, contributing to enhanced product quality and increased company profits

July 2022 - October 2022

Web Developer Tri Nghia Tech, Ha Noi, Nam Tu Liem

- Frontend developer position using Angular.

January 2022 - February 2022

Website Developer Coin98vn, Ha Noi, Hai Ba Trung

- Developed a website both frontend and backend.
- Frontend using HTML, CSS, and JavaScript.

- Backend using Django.

July 2021 - June 2022

Teaching Assistant *Tam Chi Tai Centre*, Ha Noi, Hai Ba Trung

- Assisted teachers in teaching, managed students, advised parents and students (in English, Mathematics, and Physics)
- Helped students master learning concepts through one-on-one and group tutoring.

PROJECT

- **Vietcombank Fund Management Company Limited Analysis: [Link](#) | 2023**

Overview and evaluation of the investment performance of the VCBF-BCF stock fund (a mutual fund managed by the largest bank of Vietnam – Vietcombank). The project includes assessing and analyzing the fund's public information and comparing the fund's investment performance with the VN100 index and with the group's optimized investment portfolio. The optimized investment portfolio part includes data collection, EDA, and portfolio optimization and comparison with KPIs using the fportfolio library in R.

- **Portfolio Optimization: [Link](#) | 2023**

Portfolio building and optimization for stocks in Transporting and Warehousing in the US. This includes data collection, data selection, chart series analysis, descriptive statistics, and portfolio optimization using the fportfolio library in R.

- **Worldquant Brain challenge | 2023**

Combining technical tools like moving averages, RSI, stochastic indicators, VWAP, and mean reversion with fundamental analysis ratios like P/E, EPS, asset turnover, and more, I achieved a 2.37 Sharpe ratio, a fitness of 1.96 and 16% annual return. This method of applying financial modeling, portfolio theory, and fundamental and technical analysis concepts to design and test various trading strategies using historical data and simulated market conditions provides not just an excess return for a fund compared to an average annual return of 10% from index annual return like S&P500.

- **Using Machine Learning to detect fraud in banking credit transactions: [Link](#) | 2023**

Using machine learning tools including logistic regression, decision trees, random forests, deep learning, and support vector machines for fraud detection in banking credit transactions. The project includes data cleaning, description statistics, inferential statistics, visualization, applying machine learning models, and predicting. These steps were done with Python and R. After model comparison based on KPIs, we chose deep learning, and I developed a website interface of fraud detection transactions for utilization of that model.

- **Coin98Vn: [Link](#) | 2022**

Create a crypto, NFTs news website using Django.

- **EDA for Video Games Sales Dataset: [Link](#) | 2021**

The object of this project is to create a sample Exploratory Data Analysis using R and libraries such as dplyr, tidyverse, and ggplot2. This project includes data handling, descriptive statistics, and data visualization.

- **Research paper: Impact of Green Credit on Economic Growth in Vietnam [Link](#) | 2023**

Vietnam is at a critical juncture, seeking to strike a delicate balance between promoting economic growth and maintaining environmental sustainability. In pursuit of this equilibrium, the government has introduced various tools, among which green credit dominates. This study employs an OLS-method multiple linear regression model to examine the influence of green credit on Vietnam's economic growth.

- **Improve the quality of human resources in the banking sector in the context of digital transformation and climate change in Vietnam | 2023**

A paper for the international conference on human resources for sustainable development (ICPT 2023). Based on the assessment of opportunities and challenges for human resources in the banking sector today in Vietnam, the authors propose recommendations to improve the quality of human resources in the Vietnamese banking sector, in the context of digital transformation and climate change, for the State Bank, commercial banks and higher education institutions.

- **Investment Thesis: Company Valuation – the new model of pharmacy retail in Vietnam | 2022**

Topic: A retail technology market operated a paradigm shift to open the first pharmacy retail in Vietnam. We analyzed the firm's operations, used the Payback Period to forecast new pharmacy retail revenue, and employed DCF and PE methods to assess the company and predict its stock price. Our analysis initially indicated a 20% upside potential, which ultimately exceeded 30% due to market excitement.

AWARDS & CERTIFICATIONS

- Academic Scholarship from National Economics University (2022)
- IELTS 7.5 (22/07/2023)
- First runner-up Fintech Application in Banking Sector Competition -Attacker 2022 in Vietnam (12/02/2022)
- Microsoft Office Specialist (MOS) (11/08/2023)

REFERENCES

- **Prof. Tran Thi Van Hoa**

Vice President

National Economics University

+84 906 282828

207 Giai Phong St, Hai Ba Trung Dist., Ha Noi

- **Nguyen Hung Giang**

HR Manager

Tam Chi Tai Centre

+84 967 076809

10 Ta Quang Buu St, Hai Ba Trung Dist., Ha Noi

- **Dang Vu Hung**

Chairman-CEO

Vinatex International Joint Stock Company

+84 908 341 805

- **Dr. Pham Minh Hoan**

Lecturer (IT and digital economy department)

National Economics University

+84 906 282828

207 Giai Phong St, Hai Ba Trung Dist., Ha Noi

- **Nguyen Huu Chu**

CEO/Senior Project Manager

Tri Nghia Tech

+84 913 016 667

342 My Dinh St, Nam Tu Liem Dist., Ha Noi