Thu Trang Nguyen

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CAREER OBJECTIVE

As a Data Science student at National Economics University, I strive to apply my analytical skills and curiosity to uncover data-driven insights in e-commerce, education, or finance. I aim to contribute innovative solutions through impactful projects that transform ideas into reality.

EDUCATION

National Economics University - Hanoi   **2023 − 2027**
Bachelor's Degree in Data Science in Economics and Business
GPA: 3.6/4.0

Nguyen Hue High school for Gifted students - Hanoi   **2020 − 2023**
Specialized Class in Informatics

SKILLS

Programming Languages: Python, C++, R, SQL, MySQL
Libraries & Frameworks: Numpy, Pandas
Data Analysis: MySQL, Excel, Power BI, Tableau, Looker Studio
Tools & Platforms: Git, GitHub
Soft skills: Communication, Problem Solving, Teamwork, Time Management
Language: Vietnamese (native), English (professional proficiency), Japanese (elementary proficiency)

PROJECTS

Online Course Management System   🔗 GitHub
Group Project — Team of 4 members — Tools: Python, MySQL, HTML

– Designed and implemented a full-stack course management system for students and instructors.
– Developed responsive web UI and backend using Python (Flask), connected to MySQL database.
– Created database schema, implemented CRUD functions, and user interactions.
– Practiced effective collaboration using Git and GitHub for version control.

Vietnam F&B Industry Performance & Growth Analysis   🔗 Link
G'Contest — Team of 3 members — Tools: Python, Excel, Power BI, Tableau

– Analyzed the performance and growth potential of Vietnam's F&B industry (2019–2023).
– Segmented over 1,000 businesses into "High Potential" and "Needs Support" based on CAGR, profitability, and cash flow.
– Visualized key financial trends pre- and post-COVID with Tableau dashboards.
– Conducted financial ratio analysis to identify cost efficiency opportunities.
– Delivered strategic recommendations for growth and operational optimization.

EXPERIENCE

Research Assistant   **Nov 2024 − Present**
Edtech Lab - NEU

– Conducting research on the application of information technology in education.
– Supporting the development and evaluation of EdTech solutions.
– Strengthening skills in research methodology, data analysis, and academic writing.

Achievements & Certificates

IELTS 7.0   **2023**

Microsoft Office Specialist: Excel & Word 2016   **2024**

Databases and SQL for Data Science with Python (with Honors) - IBM   **2024**

Python - Kaggle   **2025**

Extra-curricular Activities

Research And Development Specialist   **Oct 2023 – June 2024**
Club of Actuary Pioneers (CAP) - NEU
- Researched actuarial topics and supported project development.
- Strengthened analytical and teamwork skills.