

Cao Thi Ha Phuong

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EDUCATION

National University of Singapore, School of Computing . . . **Expected May 2026**

Bachelor of Science, Business Analytics, Minor in Economics

Activities: Secretary – LifeHack 2024 (School of Computing), General Secretary – Business Analytics Consulting Team (NUS Business Department)

SPECIALIZED SKILLS

Programming Language: Python, R, Java, Tableau, SQL, HTML, CSS, JavaScript, Vue.js

Data Storage/Platform: PostgreSQL, Google BigQuery, Google Collab, Firebase, KNIME

Languages: Vietnamese (fluent); English (fluent), Chinese (Intermediate).

PROFESSIONAL EXPERIENCE

National University of Singapore (NUS), Teaching Assistant **Jan. 2024 – May. 2024**

- **ST1131 - Introduction to Statistics and Statistical Computing**
- **NM2207 – Computational Media Literacy**

Teach about data visualization and statistical method in R.

Monitor administrative support and facilitate the resolution of concerns for 100 students.

Assess and evaluate the process of exam paper for the course.

Skills acquired: R, Rstudio, Rshiny, Statistical Analytics, Data Visualization, Interactive dashboard.

Infineon Technologies, Singapore, Data Analyst Intern

May. 2024 – Present

- Create an interactive dashboard with Plotly and Streamlit, enabling users to select options and filter products based on their preferences and utilize OpenShift to deploy the dashboard into the company's platform.
- Use Random Forest Regression to predict new product features with accuracy of 84%.
- Develop platform for machine learning solution using Flask and Plotly.

Skills acquired: KNIME, SQL, Plotly, Streamlit, OpenShift

PERSONAL PROJECT

Car Rental System, NUS, BT2102 Project, [Car Rental System](#)

- Develop a conceptual model and a logical schema based on rental company's requirements and executing SQL queries for project-related inquiries to gain insights.

Skills acquired: SQL, Database, Conceptual Model, Entity Relationship, Data Management

IMDB Scraping and Analytics, [IMDB Analytics](#)

- Scrape data for the [top 100 films](#) based on customer ratings from IMDb using BeautifulSoup.
- Utilize Pandas for data manipulation and Seaborn for data visualization, creating comprehensive graphs and charts to analyze rating distributions.

Skills acquired: BeautifulSoup, Selenium, Pandas, NumPy, Matplotlib, Seaborn

Customer Analytics, [Customer Analysis Dashboard](#)

- Conduct comprehensive analysis of e-commerce data over time and across various customer segments using Rshiny and enhance dashboard visualization with HTML and CSS for improved user experience and data presentation.

Skills acquired: Rshiny, HTML, CSS.

LEADERSHIP EXPERIENCE

Vietnamese Community, NUS, Project Director

May - Sep. 2023

- Lead VNCNUS Freshmen Orientation Camp for 120+ participants
- Supervise operation with logistics, finance, and engagement.
- Secure 2000 SGD sponsorship with connection from Singapore Global Network (SGN) and alumni

ProjectX, Vietnam, Mentorship and Operation .

Oct. 2023 – Mar. 2024

- Host workshop: Behavior Interview in Career with 200 attendants
- Manage database and score 30% application.

AWARDS

Finalist Trailblazer Nomura AI Challenge 2024 (Top 16%), Singapore **2024**

Second Prize at Vietnamese Mathematical Olympiad Competition, Vietnam **2021**

ASEAN Scholarship for Undergraduate, NUS **2022**