NGUYEN GIANG SON

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EDUCATION

Nanyang Technological University   Singapore
Master of Science in Data Science. CGPA: 4.20/5.0   Aug 2024 - Aug 2025 (expected)

- Relevant Coursework: Machine Learning, Deep Learning, Data Mining, Network Science, Data Systems, Data Visualization, Data Preparation, Probability & Statistics.

National Economics University   Vietnam
Bachelor of Finance. GPA: 3.71/4.0   Aug 2018 - Sep 2022

- Relevant Coursework: Statistics, Econometrics, Calculus, Management Information Systems.

RESEARCH EXPERIENCE

Continental-NTU Corporate lab
Research Associate Intern   Dec 2024 - present

- Supervisors: Assoc. Prof. Shang-wei Lin and Dr. Yon Shin Teo.
- Ongoing: Conducting literature review on vision-language models, focusing on image captioning and flow-chart understanding. Exploring a two-stage pipeline leveraging intermediate text representations to prevent factual inconsistencies in flowchart captions.

Nanyang Business School
Research Assistant   Sep 2024 - Dec 2024

- Supervisor: Asst. Prof. Siddharth Natarajan.
- Collected, preprocessed and managed financial data using Python and Stata.
- Developed web crawling script to detect e-commerce sites.

INDUSTRY EXPERIENCE

One Mount Group
Data Analyst   Oct 2021 - May 2024

Business Intelligence

- Conducted in-depth visual and statistical analyses to uncover trends and patterns in supermarket transactions, real estate purchases, in-app and website behavior, and customer profiles.
- Provided data-driven insights into customer segments to inform retention and acquisition strategies.
- Designed and developed visualizations for centralized dashboard platforms used by C-suite executives and department leads.

Data Engineering

- Designed dimensional models for domain-specific data marts.
- Developed, optimized, and maintained ELT pipelines for downstream dashboards and analytical reports.
- Designed and implemented simple data quality checking system; significantly reducing manual effort in monitoring housing transactions data.

Machine Learning

- Applied machine learning models (CatBoost, Random Forest) for predicting customer attributes (e.g., income), interests (e.g., vouchers, tickets), and behavior (e.g., real estate purchases).
- Conducted exploratory data analysis and feature engineering on large-scale datasets. Performed hyperparameter-tuning (GridSearchCV, RandomSearchCV) to improve model performance.

Palos Institute
Business Data Analyst Intern   Oct 2020 - Mar 2021

- Managed database of students, classes and tuition transactions with Google Sheets.
- Analyzed business performance to gain insights, optimizing operational processes and boosting revenue.
- Prepared reports and presented findings to CEO and stakeholders.

TECHNICAL SKILLS

Programming: Python, SQL (BigQuery, Dremio, PostgreSQL, Redshift), R
Machine Learning: scikit-learn, catboost, pytorch
Data Visualization: Looker Studio, Tableau, Power BI, Superset, Metabase
ETL: dbt, Airflow
Version Control: GitHub, GitLab

HONORS & AWARDS

Vingroup Science and Technology Scholarship   2024
Full-ride scholarship for Master's degree at Nanyang Technological University, Singapore.
National Economic University's Merit Scholarship   2019, 2020
Scholarship for students achieving top 5% GPA in School of Advanced Educational Programs.
Prizes in Vietnam National Competition for Gifted Students   2018, 2017
Second Prize (2018) and Third Prize (2017) for English in National Competition for Gifted Students.

MENTORING ACTIVITIES

MindX Technology School
Data Analytics Mentor   Sep 2024 - Nov 2024
- Mentored 10+ adult learners in Python, SQL and Power BI for data analysis.
- Guided non-tech professionals on transitioning into data-related roles.

One Mount Group
Data Analytics Tutor   Dec 2022 - May 2024
- Led training sessions for 10+ data analysts on technical topics (machine learning, statistics, data modelling) and soft skills (critical thinking, problem-solving mindset).
- Built custom curriculum and taught introductory SQL course for 30+ employees from non-tech departments.

LinhUK IELTS School
IELTS Tutor   Mar 2019 - Nov 2019
- Instructed academic writing and speaking for adult learners.
- Provided personalized feedback and training for score improvement.

VOLUNTEER ACTIVITIES

NEU's School of Advanced Educational Programs
Event Management Department - External Relations Staff   Oct 2019 - Oct 2021
- Organized 4 large-scale (100+ participants) events for the School of Advanced Educational Programs.
- Secured corporate sponsorships by researching partners, arranging meetings, and negotiating contracts.
- Conducted interviews and onboarded new members across two recruitment cycles.
- Led training programs on productivity software (e.g, Excel, Word) for incoming freshmen.

ADDITIONAL COURSEWORK

Mathematics for Machine Learning (Imperial College London, Coursera)   2023
Studied fundamental linear algebra and calculus relevant to deep learning and machine learning research.
Machine Learning (Stanford Online, Coursera)   2022
Studied basic techniques in supervised and unsupervised learning models.
IBM Data Science Certificate (IBM, Coursera)   2021
Studied data science methodologies, including data visualizations, databases and applied machine learning.