

DO THI MINH TRANG

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Summer Internship: May - August 2025

EDUCATION

Nanyang Technological University, Singapore

Bachelors of Chemical and Biomolecular Engineering with Second Major in Data Analysis

Aug. 2022 - May. 2026

University of Groningen, Netherlands

GEM Explorer Program for Year 2 Semester 2

Feb. 2024 - Jul. 2024

- GPA: 4.53
- Awards: ASEAN Scholarship for Undergraduate
- Hackathon & Competitions: Leader in National AI Student Challenge 2024, Track 2: Amazon Web Services, Tiktok TechJam
- Virtual Training and Development: (1) Machine Learning Specialization; (2) AWS Certified Machine Learning Specialty 2024; (3) Deep Learning Specialization; (4) IBM Data Science (5) Financial Engineering and Risk Management Specialization

WORK EXPERIENCES

Business Intelligence Intern

Signify (Phillips Lighting)

May. 2024 - Dec. 2024

Singapore

- Reduced manual workload by 30% (equivalent to 120 hours per month) by developing an end-to-end software solution, integrating Power Automate, Salesforce, and Excel to streamline project lifecycle management from intake to O2C.
- Improved data-driven decision-making by creating 10 PowerBI dashboards linked with Salesforce, providing detailed analysis of managerial KPIs and sales trends for over 200 B2C deals per month, resulting in a 15% increase in sales efficiency.
- Increased the number of proposals from 80 to 100 per month by implementing VBA automation for proposal generation, which improved efficiency and profitability by reducing processing time and enhancing accuracy, with further increases expected as users become accustomed to the software.

Machine Learning Engineer Intern

ChimpAI

Mar. 2024 - Jun. 2024

Sweden

- Optimized operational efficiency by automating the deployment of machine learning models using GitHub workflows, LangChain for SQL queries and PDF processing, and OpenAI API GPT-4 for chatbot functionality reducing deployment time by 15%.
- Enhanced data organization and backend infrastructure scalability by managing MySQL databases on GCP, leveraging Compute Engine and Virtual Machine to handle over 50,000 records efficiently.
- Evaluated customer impact and business viability by launching the platform in an experimental phase, aiming to offer personalized job search experiences and enhance user engagement.

ACADEMIC PROJECTS

Sales Helper System for TikTok Shop

Analytics platform with real-time data visualization and AI functionalities for sales optimization

TikTok TechJam

Singapore

- Enhanced sales optimization by developing an analytics platform using Streamlit for UI, monitoring real-time metrics like conversion rate and bounce rate with data managed via Supabase.
- Improved decision-making for sellers by integrating a GPT OpenAI API and LangChain powered chatbot into the platform, interpreting complex sales data and providing strategic advice.
- Enabled adaptive marketing strategies by implementing export functionalities within the chat system, allowing for on-demand detailed sales analyses based on empirical data.

LEADERSHIP/EXTRACURRICULAR ACTIVITIES

NTU Vietnamese Freshmen Orientation Camp

Chairperson

Jul. 2022 - Aug. 2023

Singapore

- Reduced expenses by 67% and secured \$3,300 in sponsorships by directing a team of 40 in managing logistics and finances, creating detailed financial statements for transparent oversight.
- Enhanced orientation experience for 40+ Vietnamese freshmen by establishing partnerships with educational centers, showcasing effective stakeholder engagement.
- Fostered student bonding for 130 participants by executing a Freshmen Orientation Camp, including a BBQ party and camp games, while maintaining accurate financial records to track income, expenses, and budget adherence.

SKILLS

- **Programming/Databases:** Python, MATLAB, VBA, PowerAutomate, SQL, MySQL, PostgreSQL, Firebase, BigQuery
- **Frameworks/Visualization:** TensorFlow, PyTorch, FastAI, Keras, Scikit-Learn, PowerBI, Tableau, Streamlit
- **Cloud/DevOps/Finance:** GCP (BigQuery, Dataflow, Compute Engine, Virtual Machines), AWS (S3, Glue, Redshift, Kinesis, SageMaker), Docker, Git, Trading, Financial Analysis