

DINH MANH TUAN

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1. SUMMARY

Material Engineer, and MSc Student in Financial Engineering with international research experience, focus on data analytics, advanced materials, and business problem-solving. Proficient in Python, R, SQL, and CAD tools. Passionate about working at the forefront of the financial industry as an analyst.

2. EDUCATION

WorldQuant University

Apr 2025 - Now

MSc. in Financial Engineering

Washington D.C., US

- Coursework: Financial Market, Financial Econometrics, ML/DL for Finance, Portfolio and Risk Management
- Trained in stochastic modelling, optimization, and time-series forecasting using Python and Excel for trading and investment applications

University of Trento

Sep 2024 – Feb 2025

MSc. Erasmus+ Exchange (1 of 3 nominees from HCMUT, full scholarship)

Trento, Italy

GPA 25.8/30.0

- Coursework: Materials for Energy, Materials Design, Characterization Lab, and Financial Analysis
- Developed 2 research projects on sustainable materials, involving material selection, synthesis, characterization (FTIR, NMR, ICP-OES, XRD), processing, application design, and Life Cycle Analysis (LCA)

Ho Chi Minh City University of Technology (HCMUT)

Sep 2020 – Nov 2025

MEng. in Materials Engineering, [PFIEV France-Vietnam Excellent Engineer Program](#)

Ho Chi Minh City, Vietnam

GPA: 3.5/4.0 (ranked #1 class)

- Honors: Awarded 10+ merit-based scholarships and developed 10 international projects

3. PROFESSIONAL EXPERIENCE

European Institution of Membranes (IEM)

April 2025 – Now

Research Engineer/Intern

Montpellier, France

- Final-year thesis: Optimization of manufacturing processes for hollow fiber membrane (HFM) in wine filtration
- Researched and proposed production line improvements to eliminate current industrial problems in HFM

Hitachi Asia Ltd.

Apr 2024 – Jul 2024

Hitachi Young Leaders Initiatives Program (1 of 4 national qualifiers)

Bali, Indonesia

- Collaborated with C-level executives and ASEAN youth to design policy recommendations on just energy transition and accessibility for aging ASEAN cities with outdated infrastructure
- Performed field exploration of microgrid infrastructure on Nusa Penida island to study solar energy systems, culminating in a policy pitch to a regional advisory panel

Ho Chi Minh City University of Technology

Jan 2021 – Sep 2024

Application Development Team Lead, Research Assistant

Ho Chi Minh, Vietnam

- Led a research group on developing Triboelectric Nanogenerators applications for IoT sensors. Won the Second Prize in [Tech Planter ASIA 2022](#) and 6 domestic awards
- Prepared experiment samples, performed CAD modelling, delivered weekly reports, and coordinated with the research team for scientific writing and publication

4. CERTIFICATES AND QUALIFICATIONS

McKinsey Forward Certificate

Oct – 2025

- Developed strategic thinking and problem-solving capacity through real-world case studies
- Applied communication and self-leadership frameworks to initiate collaboration and decision-making in fast-paced, cross-cultural teams

WorldQuant University Applied Data Science Lab Certificate

Jul – 2025

Google Data Analytics and Advanced Data Analytics Certificate

Mar – 2025

- Acquired Python, R, and SQL skills for data analysis, including exploratory data analysis, hypothesis testing, machine learning models (linear regression, logistic regression, K-means, clustering, XGBoost, Random Forest). Mastered Tableau for data visualization and data storytelling
- Worked on a TikTok case study to build an ML model to classify posts as claims or opinions, based on features like views, likes, shares, and duration. And a capstone project at Salifor Motors to predict employees at risk of leaving the company

Google Business Intelligence Certificate

Apr – 2025

- Gained expertise in business intelligence tools and techniques, focusing on transforming raw data into actionable insights to drive strategic decision-making
- Applied SQL and BigQuery for data extraction and transformation; used Tableau to design interactive dashboards and KPIs

Project Management Professional® Training – Atoha Institute

Aug - 2023

- Acquired practical knowledge in project planning, scope management, stakeholder engagement, and risk mitigation across the project lifecycle
- Applied project tracking tools such as Gantt charts and earned value analysis to simulate real-world project constraints and delivery strategies

5. SKILLS

Languages

English C1 (IELTS 8.0), French B1 (DELFB1), Vietnamese (Native)

Technical skills

Polymer Processing, 3D Modelling (AutoCAD, SolidWorks), Materials Characterization (FTIR, NMR, XRD, Thermal analysis), Life Cycle Analysis, Product Design, Data analysis and dashboard visualization (R, Power Query, Power BI, Python, SQL, Tableau), Machine learning (XGBoost, RandomForest, K-means Clustering)

Digital skills

Report writing and visualization (MS Office – Excel, PowerPoint, Word), Video editing (Adobe Premiere Pro), LaTeX compiling (Overleaf)

Soft skills

Public speaking, leadership, team collaboration, presentation

6. EXTRACURRICULAR ACTIVITIES

CommTECH Camp Insight

Mar 2024

Sepuluh Nopember Institute of Technology

Surabaya, Indonesia

- Chosen as 1 of 2 HCMUT students, full scholarship
- Collaborated with an international team to design a low-cost solar cell solution for sustainable energy

NUS Summer Programme In Entrepreneurship

Jul 2023

National University of Singapore, [NUS Enterprise](#)

Singapore

- Awarded to 10 participants from Vietnam, full scholarship
- Completed a two-week intensive bootcamp exploring Southeast Asia's startup landscape through case studies, mentoring, and team-based ventures

ASEAN-Korea Youth Summit

Aug 2022

Korea's Ministry of Gender Equality and Family

Seoul, Korea

- 1 of 10 Vietnamese delegates chosen, full scholarship
- A multilateral summit promoting leadership and regional cooperation between ASEAN and Korea.