

VY DOAN

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EDUCATION

Bachelor of Engineering | Industrial and Systems Engineering

Sep. 2019 – Present

International University - Vietnam National University (IU-VNU)

Ho Chi Minh City

- GPA: 90.8/100
- Major courses:
 - Deterministic & Probabilistic Models in Operations Research
 - Simulation Models in Industrial Engineering
 - Engineering Probability & Statistics
 - Time Series & Forecasting Techniques
 - Logistics & Supply Chain Design
 - Multi-Criteria Decision-Making
- Self-taught:
 - Data Structures & Algorithms
 - Machine Learning

Reference: [curriculum](#)

WORK EXPERIENCE

Process and Equipment Intern | Headcount Planning Intern

Aug. 2022 – Mar. 2023

Intel Products Vietnam

Ho Chi Minh City

- Assisted Intel's Headcount Project Manager in collaborating with Intel's supplier managers to initiate and control improvement projects related to contingent workforce.
- Forecasted toolcount and allocated headcount for long and short term at 5 test modules: burn-in, hot test, cold test, class test, and chip platform validation.
- Collected data, analysed data, and designed new practices to develop and maintain an automated headcount dashboard between shifts.
- Led a \$2000 cost-saving project in 2 quarters: Assessment of employees workload to reduce human workforce.

Operations Intern

Mar. 2021 – Jun. 2021

Thu Choi E-Commerce Co., Ltd

Ho Chi Minh City

- Contributed to complete the process flow of the e-Commerce platform (from order placing to order processing and fulfillment) and the retail supply chain system (from sourcing to storage and delivery).
- Assisted in completing the e-Commerce platform, managed supplier and buyer relationship via it.
- Connected with over 15 floral and faunal suppliers to extend the company's supply network.

TEACHING EXPERIENCE

Teaching Assistant

Sep. 2020 – Jul. 2023

IU-VNU

Ho Chi Minh City

- Courses:
 - Physics 1: [PH013IU](#)
 - Introduction to Industrial Engineering: [IS001U](#)
 - Engineering Probability & Statistics [IS004IU](#)
 - Simulation Models in Industrial Engineering [IS028IU](#)
- Facilitated classroom management (each class of 30-100 students), supervised attendance and performance of students throughout the semester.
- Spent 20 hours/week planning, preparing, and grading after-class homework, in-class quizzes, and semester projects.
- Prepared review materials and taught review lessons before examinations, answered students' related questions and supported their individual needs.

RESEARCH PROJECTS

Dissertation

Mar. 2023 - Sep. 2023

An Improved Branch-and-Price Algorithm to the CVRPTW

GUROBI, Python

- The main scope of work is implementation of meta-heuristic and dynamic programming to generate initial solution and solve the pricing problem via column generation.
- Thesis report submitted by Sep. 2023. Thesis grade: 94/100

SKILLS & QUALITIES

Interpersonal skills

Have effective communication and team management. Responsible and committed to achieving shared goals.

Analytical & Research skills

Able to construct mathematical models, make statistical inferences, and understand new AI solutions.

Have logical thinking. Able to gain strategic business insights and align tasks and projects with business goals.

Data skills

Possess basic knowledge and skills to collect, process, and interpret data, turning data into responsible actions.

Fundamental skills with Python, PowerBI, SQL, CPLEX, GUROBI.

Passionate

Hold a strong interest in technology and a passion for self-enhancement. Self-motivated to learn and improve.

ENGLISH

IELTS 7.5

Aug. 2023

Good - very good user. Has operational command of the language.

Generally able to well handle complex language and detailed reasoning.

LEADERSHIP

Team Leader and Advisor

Jun. 2020 – 2023

IU-VNU

Ho Chi Minh City

- Initiated and coordinated to launch 1 public project (talkshow event) and 2 internal projects (series of knowledge sharing events), cooperated to organize other regular funding, branding, and bonding activities.
- Recruited and supervised new members, provided feedback, advice and network to younger leaders.

SELECTED AWARDS

Full Tuition Fee Waiver Scholarship

Sep. 2019 - Sep. 2023

Top 8% of the university and 1% of the faculty in Vietnam's national university entrance exam.

IU-VNU

AmCham Women in Engineering Scholarship

Sep. 2023 & Nov. 2022

Top female students with strong leadership and career orientation in STEM fields.

AmCham Vietnam

AmCham Scholarship

Jun. 2023

Demonstrating leadership through education, community involvement and work experience.

AmCham Vietnam

Science-A-Thon Award

Aug. 2022

First Prize award for team excellent performance in scientific research competition.

VSSS'09

Honda Award 2021

Mar. 2022

Top 3 Vietnamese excellent students in education and science and technology fields.

Honda Foundation

SBA Scholarship

Jun. 2022

Top students with outstanding achievements and leadership potential in industries.

SHTP Busi. Assoc.

Golden Scholarship Award

Jun. 2021

Top 1% of the faculty in academic performance and social engagement.

TBS Group