

Thuc Le

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PROFESSIONAL SUMMARY

Master's degree holder with experiences in machine learning and algorithmic problem solving. In addition to a strong academic research background, I focus on turning complex theoretical ideas into practical, scalable solutions. My problem-solving skills have been honed through high-level competitions such as the Vietnam National Olympiad in Informatics for Students and the ICPC. I am driven to leverage advanced research and development to tackle impactful industry challenges and enhance the efficiency of large-scale systems.

EXPERIENCE

Ho Chi Minh City University of Education

Visiting Lecturer

Aug 2026 - Present

Ho Chi Minh City

- Instructor for the Object-oriented Programming (OOP) course

FPT Software

Data Scientist

Dec 2025 - Present

Ho Chi Minh City

- Formulated constraint-based models to optimize scheduling systems and resource allocation
- Built AI/LLM solutions for automated transaction recording, reducing manual processing time
- Designed and deployed scalable AI models for real-world application

Vimet Corp

Digital Transformation Assistant

July 2024 - July 2025

Ho Chi Minh City

- Assisted in designing digital transformation projects
- Research and implement to integrate AI

Eton Corporation

Data Scientist

Sep 2022 - Aug 2023

Ho Chi Minh City

- Research and implement algorithm for Capacitated Vehicle Routing Problem adapt to conditions at the company. Optimize around 10%-15% cost of transportation
- Research method to enhance Optical Character Recognition (OCR) results

Ho Chi Minh City University of Education

Undergraduate Teaching Assistant

Jan 2021 - May 2022

Ho Chi Minh City

- Teaching assistant: Data Structures & Algorithms, Object-oriented Programming (OOP)
- Designed coursework, assignments, and exams while evaluating student performance

Harvard Business School

Research Assistant

Jan 2021 - Sep 2021

Remote

- Processed and structured low-quality scanned documents using OCR and NLP techniques to extract key insights
- Aggregated and reviewed research data to support analytical decision-making

RESEARCH

Smart Contract Vulnerabilities Detection **2025**

Master thesis

- Design a pipeline using the LLM model to generate high-quality data for enhancing the dataset
- Design a model with a handle capability for a highly imbalanced dataset

Integrating Smart Contracts into University Registration for Data Integrity and Transparency **2025**

Dream Science Journal of Cyber Security (DS-CYS)

- Developed blockchain-based solution for university registration, ensuring data security and integrity with smart contracts.
- Designed logic for registration processes and tested blockchain integration for transparency and reliability.

Using Blockchain in Retrieval System Student Accomplishments **2022**

Graduate thesis

- Using smart contract to store certificates on the blockchain
- Design logic for processing blockchain data

EDUCATION

Ho Chi Minh City University of Education **2023 - 2025**

Master, Computer Science

Ho Chi Minh City University of Education **2018 - 2022**

Bachelor, Computer Science

AWARDS AND HONORS

Vietnam National Olympiad in Informatics for Students **2020**

Third Prize – Student Specialized informatics

ICPC Vietnam Southern Provincial Programming Contest **2020**

Third Prize

ICPC Vietnam National Programming Contest **2020**

Consolation Prize

ICPC Asia Regional Contest **2020**

Honor Award for Participation