

# Viet Nguyen

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## EDUCATION

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University of Economics Ho Chi Minh City (UEH)

2021 - 2025 (*expected*)

GPA: 3.77/4.0. Relevant courses: Data Structure and Algorithms, Data Visualization, Data Analysis Programming, Mathematical Statistics, Natural Language Processing, Business Intelligence, Machine Learning, Big Data

## RESEARCH EXPERIENCE

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Intelligent Data Analytics Lab (IDA)

2022 - *present*

I work on various projects from implementing attention-free language models for sentiment analysis to enhancing Deep Embedded Clustering using the new optimizer under the supervision of [Dr. Dang Ngoc Hoang Thanh](#).

## SELECTED PROJECTS

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Multilingual Extractive Question Answering System

[Github Repository](#) | [Webpage](#)

We train XLM-RoBERTa, a multilingual language model for extractive question answering tasks on SQuADv2 dataset and deploy the model via Gradio. The model achieves roughly 65 and 68 on EM and F1 metrics.

Sentiment Analysis for E-commerce Platforms

[Github Repository](#) | [Webpage](#)

We train machine learning models and deep learning model (RoBERTa) to solve sentiment analysis for customer feedback task with high accuracy of 96%. We also deploy these models to an app and a user-friendly website.

## HONORS AND AWARDS

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2024 **A Prize in UEH Young Researcher 2024** (for 100 best papers among 1400 submissions)

2023 **B Prize in UEH Young Researcher 2023** (top 15% best research papers)

2021 **UEH Admission Scholarship** (for students with highest score in University Entrance exam)

## CERTIFICATIONS

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2022 **Machine Learning Specialization**. GitHub Repository ( $\approx 200$  stars) can be found [here](#).

2022 **IELTS Academic 8.0** (Listening: 9.0; Reading: 8.5; Writing: 7.0; Speaking: 7.0)

## PUBLICATIONS

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Nguyen Q. Viet, Nguyen N. Quang, Nguyen King, Dang N.H. Thanh. Performance Insights of Attentionfree Language Models in Sentiment Analysis: A Case Study for E-commerce Platforms in Vietnam. In *8th International Conference on Inventive Communication and Computational Technologies (ICICCT2024)*.

Nguyen Q.K. Ha, Nguyen T.T. Huyen, Mai T.M. Uyen, [Nguyen Q. Viet](#), Nguyen N. Quang, Dang N.H. Thanh. Customer Intent Mining from Service Inquiries with Improved Deep Embedded Clustering. In *Journal of Uncertain Systems*. [Link](#)

Nguyen Q. Viet, Nguyen N. Quang, Nguyen King, Dinh T. Huu, Nguyen D. Toan, Dang N.H. Thanh. An Exploratory Comparison of LSTM and BiLSTM in Stock Price Prediction. In *7th International Conference on Inventive Communication and Computational Technologies (ICICCT2023)*. [Link](#) | [Code](#)

## MEDIA COVERAGE

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[UEH Data Science Students Publishing 3 Research Articles In Scopus](#)