# Viet Nguyen

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## Education

**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

**Research Assistant, 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

**Multilingual Extractive Question Answering System** Github Repository

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

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

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

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

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

UEH Data Science Students Publishing 3 Research Articles In Scopus