Viet Quoc Nguyen

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Education

- **University of Economics Ho Chi Minh City (UEH)** — Ho Chi Minh City, Vietnam
  Bachelor of Data Science; Cumulative GPA: 3.67/4.0 — *Sep 2021 - March 2025 (`expected`)*
  Relavant courses: Data Structures and Algorithms, Mathematical Statistics, Artificial Intelligence, Natural Language Processing, Data Analysis Programming, Machine Learning (4.0/4.0 in all of the above)

Honors and Awards

- **UEH Young Researcher 2023 Award** — *Feb, 2023*
  For students with top 15% best research projects.
- **UEH Admission Scholarship** — *Sep, 2021*
  For students achieving the highest score in the national university entrance exam.

Academic Projects

- **Shopee Review Sentiment Analysis (GitHub repository)**: Do sentiment analysis for reviews about Shopee using models including Naive Bayes, Maximum Entropy, XGBoost and RoBERTa, achieving 96% accuracy. Deploy the RoBERTa model on HuggingFace and publish a website for users.
- **Customer Intent Mining from Service Inquiries with Improved Deep Embedded Clustering**: Developed an unsupervised intent discovery system for banking corpus using Deep Embedded Clustering with Jensen-Shannon divergence and Sophia optimization, achieving SOTA NMI Score.
- **On Stock Price Prediction: A Deep Learning Approach using Bidirectional Long-Short Term Memory (BiLSTM)(GitHub repository)**: Predict Apple's stock prices from a five years' time dataset using BiLSTM model, achieving 97% accuracy. Published as a Conference paper in ICICCT2023.

Skills Summary

- **Languages**: Python, SQL, C#, LaTeX
- **Libraries**: NumPy, Pandas, Seaborn, Plotly, TensorFlow, PyTorch, ...
- **English**: IELTS Academic 8.0

Certifications

- **Machine Learning Specialization (GitHub repository)** — Coursera, *Feb, 2022*
  The GitHub repository achieves more than 150 stars and 100 forks.
- **Deep Learning Specialization** — Coursera, *Sep, 2021*

Publications

- **Nguyen Q. Viet**, Nguyen N. Quang, Nguyen King, Dinh T. Huu, Nguyen D. Toan, and Dang N.H. Thanh. An Exploratory Comparison of LSTM and BiLSTM in Stock Price Prediction. In *7^{th} International Conference on Inventive Communication and Computational Technologies (ICICCT - 2023)*. [Link] [Code]
- 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. *Under review at Journal of Uncertain Systems.*