Viet Quoc Nguyen

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Summary

Highly motivated and analytical data science intern with a strong background and a passion for scientific research as well as learning about state-of-the-art models. Experience with machine learning techniques and libraries. Strong communication skills and ability to explain complex technical concepts to non-technical.

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 - December 2024 (expected)*
  Relevant courses: Data Structures and Algorithms, Mathematical Statistics, Artificial Intelligence, Natural Language Processing, Data Analysis Programming (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 papers

- **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 texts 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 Proceedings 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 7th *International Conference on Inventive Communication and Computational Technologies (ICICCT - 2023).*