Thanh Le

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PERSONAL PROFILE

- Recent university graduate with Computer Science major and Data Science minor. Experienced in analyzing, preprocessing datasets, and building predicted models.
- Interests: Data Analysis, Deep Learning, Artificial Intelligence, Natural Language Processing.

EDUCATION

B.S in Computer Science - GPA: 3.52 | Dean's List   *Jan 2019 - May 2021*
University of Houston, Houston, TX

PROJECTS

ENGLISH TO FRENCH MACHINE TRANSLATION | GROUP PROJECT   *Feb 2021 - May 2021*
- Handled a dataset containing 176,620 sentence-paired (English – French).
- Built two sequence models (LSTM and Transformers), fined-tune with AdamW optimizer, evaluated with BLEU score matrix. Achieved the highest BLEU score (0.63) with Transformers.
- Acquired skills: LSTM, Transformers, TorchText, BLEU evaluation matrix.

SMS CLASSIFICATION SPAM OR HAM | SIDE PROJECT   *Sep 2020 - Oct 2020*
- Analyzed and classified a SMS dataset held 5,572 messages.
- Built numerous classfier to accomplish the task.
- Acquired skill: NLTK text preprocessing, Scikit-learn library TF-IDF, Logistic Regression, Naive-Bayes, SVM, Random Forest.

PIMA INDIANS DIABETES | SIDE PROJECT   *Nov 2020 - Dec 2020*
- Analyzed a numeric dataset, built several classifiers, performed classification tasks, and set hyper-parameters for fine-tuning to archive highest performance.
- Measured the performance of the supervised learning model to predict the risk of diabetes occurring in patients.
- Applied Support Vector Machine, Random Forest, Decision Tree, K-Nearest Neighbors.
- Acquired skill: Data Preprocessing, Data Exploratory, Confusion Matrix, F1 Score, Matplotlib.

PROFESSIONAL EXPERIENCE

ACADEMIC SUPPORT ASSISTANT | UNIVERSITY OF HOUSTON   *Jan 2020 - Jan 2021*
CASA – Center for Academic Support and Assessment
- Set up the testing systems and monitored exam takers during testing time.
- Guided new students on the registration including the fingerprint scan, application, and reservation on testing day.
- Operated the printing and scanning machines, troubleshot network operating system with a variety of computer issues in a timely manner.

TECHNICAL SKILLS

- 2+ years in Python, JavaScript.
- 1+ year in R, C++, C#.
- Pycharm, Jupyter, Google Colab, Linux.
- Github, Git Commands.