HUY VO

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EXPERIENCE

Machine Learning Engineer   June 2022 - September 2023
Otrafy Technologies Inc   *Buffalo, New York*

· Built and integrated Large Language Model on Microsoft Azure Machine Learning Studio for Otrafy's platform and maintaining the response time lower than 3 seconds with high relevancy for hundred of users.
· Applied LLM libraries like LlamaIndex and Langchain to develop Retrieval Augmented Generation tasks for Otrafy's platform.
· Designed a robust infrastructure to support a scalable end-to-end Machine Learning System, ensuring a 90% uptime for Natural Language Processing tasks focused on Agriculture and Quality Assurance.
· Led a dynamic team that works with cross-functional department to build, deploy and maintain an end-to-end Machine Learning System that can serve million users.

Data Scientist   July 2021 - June 2022
Otrafy Technologies Inc   *St Paul, Minnesota*

· Fine-tuned pre-trained models for Optical Character Recognition and Natural Language Processing tasks, leveraging PyTorch, HuggingFace Transformers, MLFlow.
· Conducted comprehensive survey research in Document AI and Optical Character Recognition and experimenting with state-of-art model for in-house features.
· Applied inferential analysis to understand and predict user behavior using Random Forest, SVM and KNN.

Research Assistant - Data Scientist   August 2020 - August 2021
Industrial AI Research Centre - University of South Australia   *Mawson Lake, South Australia*

· Conducted comprehensive survey research about Time Series Forecasting and Sequential Model in Deep Learning for Engineering and Logistics forecasting.
· Designed and integrated a Recommendation Systems that helps business to improve Sales and User Engagement using Apriori algorithm and User analysis.
· Analyzed and visualized analytical result for Sales Forecasting using PowerBI and RapidMiner.

Research Assistant - Data Analyst   August 2020 - August 2021
Data Analytics Group - University of South Australia   *Mawson Lake, South Australia*

· Researched and developed computational methods for Causal Inference in Marketing and Customer Relationship Management.
· Writing research paper and conduct different experiment to analyse the affect of Machine Learning in Marketing and Business Decision area.
· In-depth explored Causality in Social and Business contexts to help business improve profit.

Intern Data Analyst   January 2021 - May 2021
Centre of Change and Complexity in Learning Research Centre   *Adelaide, South Australia*

· Applied Text Analytic using Spacy, TextBlob and NLTK along with Unsupervised Modelling to generate insight for Job Posting information.
· Cooperated with the Educational team to build an Employability Recommendation System for University of South Australia students.
· Collaborate with Doctorate to create a close-source library use for Job Recommendation and Scraping from different sources.

TECHNICAL STRENGTHS

Research Area	NLP, Document AI, Causal Inferences
Language	Python, R Script, and Java
Machine Learning Framework	HuggingFace Transformers, PyTorch, Keras, Scikit-learn
Cloud System	Microsoft Azure, Google Cloud Platform
Database	MySQL, Snowflake, MongoDB, and Hadoop
Visualization Tools	PowerBI, Tableau, Streamlit
Development Tools	Git, Data Version Control, Bitbucket, Azure, and Slack

EDUCATION

RMIT University Vietnam
Bachelor of Information Technologies (DevOps)

Coursera
Machine Learning Engineering Certification

University of South Australia
Bachelor of Software Engineering (Honours)

Coursera
IBM Data Science Course Certification

AWARDS AND RECOGNITIONS

- **Speaker at Predictive Analytics World - Deep Learning Track (2023)**
- **Australian Mathematics Competition for High School (2019)**
- **Top 10 Hackathon Team in Cybersecurity Competition (2018)**