

HUY VO

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EXPERIENCE

Machine Learning Engineering

Otrafy Technologies Inc

June 2022 - Present

Buffalo, New York

- Building and integrating Large Language Model (LLM) on Microsoft Azure Machine Learning Cloud system for the platform and maintaining the response time lower than 3 seconds with high accuracy.
- Designing system and infrastructure for a scalable end-to-end Machine Learning System to deliver uptime up to 90 per cent for Natural Language Processing tasks.
- Leading the Data team of 5 people to build, deploy and maintain an end-to-end Machine Learning System projects using Azure Cloud System to serve million users.

Data Scientist

Otrafy Technologies Inc

July 2021 - June 2022

St Paul, Minnesota

- Created and implemented baseline OCR and NLP models from scratch using PyTorch, FastAPI and Google Cloud Platform.
- Conducted research in Natural Language Processing and deploying state-of-the-art models into production using HuggingFace Transformers.
- Applying statistical analysis to analyse and predicting user behavior using Random Forest, SVM and KNN

Research Assistant - Data Scientist

Industrial AI Research Centre - University of South Australia

August 2020 - August 2021

Mawson Lake, South Australia

- Researched Predictive Models using LSTM and RNN for Engineering and Logistics forecasting..
- Collaborated on designing Recommendation Systems and Sales Forecasting.
- Design dashboard and visualization for data analysis results with PowerBI and Tableau.

Research Assistant - Data Analyst

Data Analytics Group - University of South Australia

August 2020 - August 2021

Mawson Lake, South Australia

- Researched and developed computational methods for Causal Inference in Marketing and CRM
- 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

Centre of Change and Complexity in Learning Research Centre

January 2021 - May 2021

Adelaide, South Australia

- Using NLP and Unsupervised Modelling to analyse the Job Posting information.
- Cooperate 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

Language

Machine Learning Framework

Cloud System

Database

Visualization Tools

Development Tools

NLP, Document AI, Causal Inferences, Computer Vision

Python, R Script, and Java

HuggingFace Transformers, PyTorch, Keras, Scikit-learn

Microsoft Azure, Google Cloud Platform

MySQL, Snowflake, MongoDB, and Hadoop

PowerBI, Tableau, Streamlit

Git, Data Version Control, Bitbucket, Azure, and Slack

EDUCATION

University of South Australia

Bachelor of Software Engineering (Honours)

Coursera

Machine Learning Engineering Certification

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)