# HUY VO

077 861 2201 ⋄ huyvo6812@gmail.com ⋄ GitHub ⋄ Portofolio

## EXPERIENCE

**Machine Learning Engineering Lead**  June 2022 - Present
*Otrafy Technologies Inc*  *St Paul, Minnesota*

· Building the Machine Learning Operations to improve and maintain the performance of the models always at above 90 percent accuracy
· Design architect and modelling to improve prediction time up to 80 percent faster
· Leading the Data Scientist and Machine Learning team to create product to improve the user experience on the platform
· Working with cross-department to gather and framing the business and technical requirements for the features

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

· Create and implement baseline Optical Character Recognition and Natural Language Processing model from scratch to support users in reading and extracting information from document
· Research and apply different techniques and model in the academia field of Computer Vision and Natural Language Processing related to Document AI
· Deploy and bring state-of-art model into production environments to improve the user experience on the Otrafy platform

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

· Design Predictive Model to help forecasting the remaining useful life in Engineering and Logistic.
· Collaborate with Doctorate to analyse Time Series Information to help the company improve selling.
· Design dashboard and visualization for data analysis result with PowerBI and Tableau.

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

· Elevate and design computational methods related to Causal Inference to apply into 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 research about Causality in Social Impacts as well as Business Perspective.

**Intern Data Analyst**  January 2021 - May 2021
*Centre of Change and Complexity in Learning Research Centre*  *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.
· Text analysis and visualization under Doctorate supervision.

## TECHNICAL STRENGTHS

| | |
|---|---|
| **Research Area** | Causal Inference, Document AI, NLP, Computer Vision |
| **Language** | Python, R Script and Java |
| **Machine Learning Framework** | Tensorflow, Keras, HuggingFace and Pytorch |
| **Database** | MySQL, SQL Server, MongoDB and Hadoop |
| **Visualization Tools** | PowerBI, Tableau, Streamlit |
| **Development Tools** | Git, Data Version Control, Bitbucket, Azure and Slack |

## EDUCATION

**Royal Melbourne Institution of Technology**   **University of South Australia**
Bachelor of Information Technology            Bachelor of Software Engineering (Honours)

## AWARDS AND RECOGNITIONS

- **Speaker at Predictive Analytics World - Deep Learning Track (2022)**
- **Australian Mathematics Competition for High School (2019)**
- **Top 10 Hackathon Team in Cybersecurity Competition (2018)**