

VAN NGO

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OBJECTIVE

I'm currently looking for a suitable position in Machine Learning (ML) Researcher or Engineering. Also open to Data Analyst or Scientist as it is beneficial for fine-tuning ML models and further my understanding of useful data. As a life-long learner, I welcome challenges and enjoy learning about Artificial Intelligence (AI).

EDUCATION

B.S in Electrical and Computer Engineering [GPA – 3.8]
University of Texas at San Antonio, *San Antonio, Texas*
August 2018 – August 2023

- PURSUING A CERTIFICATION IN ARTIFICIAL INTELLIGENCE
- MATRIX AI FELLOWSHIP FALL 2021 – XILINX

EXPERIENCE

August 2021 – May 2023 Undergraduate Research Assistant, *University of Texas at San Antonio*
Implement and test simulation environments such as Flight Gear, Mujoco, and Atari for human feedback Reinforcement Learning. Tasked with collecting results from simulations for presentation. Work mainly in Linux and with libraries such as Tensorflow and Stable-Baselines3.

January – August 2022 Engineering Co-op, *Trane Technologies*
Research and implement machine learning algorithm for detecting failures in HVAC system. Learned Supervised Learning from scratch, which helps build a strong base. Dabble with Dataiku, Tableau for data visualization, Scikit-learn contain prebuild ML models, Pandas for data preparation, and Jupyter. Notable mention of JIRA and Confluence for task keeping and documentation.

PROJECTS

January – December 2022 **SENIOR DESIGN I/II**
Incorporate Machine Learning into security system to automate security in a network. Tasked with building and testing classification models to determine the optimal model to be deployed into a Raspberry Pi for demonstration while taking engineering restrictions into account. Used Scikit-learn for pre-build classification models, Pandas for data preparation, and Jupyter. Had the honor to win second place during tech symposium with a team consist of 4 engineers.

August – December 2022 **LANGUAGE DETECTION**
Detect spoken language taking input from a microphone and translate the phrase, if not already, into English. Able to detect the correct language from a pool of languages.

June 2022 **STOCK PREDICTOR**
Predict the ever-changing of stock prices by fetching historical data straight from Yahoo Finance and train using classifiers from Scikit-learn.

ACTIVITIES

March – May 2023 **Korean Book Club**
Meetings are weekly that aim to improve Korean reading proficiency and learn more about the culture. Speaking in Korean helps familiarize myself with the language and build confidence.

SKILLS

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|--------------------|------------------------|-------------|
| • Machine Learning | • Docker | • Bilingual |
| • Python | • Time Management | • Teamwork |
| • Linux (Ubuntu) | • Willingness to learn | • Organized |