

Nam Nguyen

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WORKING EXPERIENCE

• SETA International Vietnam

Ha Noi, Viet Nam

May 2022 - Current

Software Engineer

AI Energy | *Python, Celery, FastAPI, SQL Alchemy, InfluxDB, MS SQL, Grafana, Airflow*

- Built and maintained the data pipeline and monitoring system for the data analysis tasks.
- Designed the backend infrastructure and data model for the bid optimization within the renewable energy trading market in the UK and Ireland.
- Supported the data scientists by evaluating the forecast metrics on the models in production using Grafana

AICycle | *Python, PostgreSQL, Triton Inference Server, Redis, RabbitMQ, Celery, FastAPI, Kubernetes, Airflow*

- Constructed a data pipeline for the purpose of crawling, data processing with the utilization of Airflow.
- Developed an AI system involves using Triton Inference Server to deploy deep learning models and automate their testing.

GenAI Platform | *Python, Flask, Elasticsearch, Vertex AI Vector Search, Langchain, Google Cloud*

- Built the data pipeline and the webhook for ingesting data from 100,000 documents across Confluence, Jira, and Zendesk
- Constructed a QnA bot leveraging the Large Language Model (Gemini), assisting engineers in searching appropriate documents through various Google Cloud tools.

• WorldQuant

Ha Noi, Viet Nam

August 2021 - January 2022

Quantitative Research Intern

QuantDeep | *Python, C++, PyTorch, NLP*

- Developed and integrated a new deep learning framework for portfolio optimization on the backtesting system. This tool attracted 5 researchers to produce numerous high-quality alphas (trading strategies)
- Analyzed and extracted the impact of sentiment in earnings calls on stock price using natural language processing methods.

• VinAI Research

Ha Noi, Viet Nam

June 2020 - October 2020

Research Intern

3D Point Cloud Backdoor Attack | *Python, PyTorch*

- Built, trained, and tested various neural network models for point cloud classification & segmentation tasks
- Implemented experiments on the backdoor attack to explore vulnerable models for tasks featuring point cloud and achieved a success rate of 60-70%

• NERD

Ha Noi, Viet Nam

September 2018 - December 2019

Software Engineer Intern

NLU | *Python, Scrapy, Selenium, MongoDB, Tensorflow, NLP*

- Created a bot crawler to collect data from newspapers and food reviews for training machine learning models.
- Worked on natural language processing tasks such as Name Entity Recognition, Automatic Speech Recognition, and Diacritic Restoration in Vietnamese

EDUCATION

• University of Engineering and Technology, Vietnam National University

2018 – 2022

- Bachelor of Engineering in Computer Engineering; GPA: 3.45/4.0

ACHIEVEMENTS & AWARDS

• Second Prize in Vietnam National Mathematical Olympiad for Undergraduates

2019

- An annual national competition in Algebra/Calculus for University Students

• ACM ICPC Asia Hanoi Regional Contest

2018

- 29th place out of 125 teams in Asia Hanoi Regional Contest
- Achieved Second Prize out of 107 teams in Vietnam's qualifying round
- Competed in a team of three to solve 10–12 algorithmic problems in a five hours contest using C++/Java