

Nam Nguyen

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WORKING EXPERIENCE

- **KALAPA** Ha Noi, Viet Nam
Jan 2026 - Current
Software Engineer
EKyc | *Python, Kubernetes, FastAPI, Flask, Redis, PostgreSQL*
 - Implementing backend services using Python, FastAPI, and PostgreSQL.
- **SETA International Vietnam** Ha Noi, Viet Nam
May 2022 - December 2025
Software Engineer
Data Platform | *Python, AWS Athena, Redshift, S3, Glue, DMS and MWA*
 - Design and implement robust ETL (Extract, Transform, Load) processes for data volumes ranging from **100GB to 1TB**, ensuring data accuracy, integrity, and timely delivery to business and analytics stakeholders.
 - Develop data pipelines using AWS Database Migration Service (DMS) to consolidate data from production databases into a centralized data lake, replacing legacy pipelines and minimizing the load on production systems.**AI Energy** | *Python, Celery, FastAPI, InfluxDB, Redis, MS SQL, Grafana, Opentelemetry, Tempo, 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
 - Implemented OpenTelemetry and Tempo for comprehensive API tracing, enabling precise bottleneck identification and optimization.**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.
- **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