Ngo Quang Viet

Software Engineer

L 0862231898 ✓ vietng.work@gmail.com ♥ Hanoi, Vietnam

OBJECTIVE

Seeking a challenging position where I can utilize my problem-solving abilities and creativity to contribute effectively. In the short term, I aim to grow professionally and personally, leveraging my skills to solve complex problems while continuously learning. In the long term, I aspire to reach my full potential by working in a progressive organization that values innovation, collaboration, and integrity, ultimately contributing to impactful and meaningful advancements in the field of Information Technology.

EDUCATION

Hanoi University of Science and Technology

September 2019 - Nov 2024

Major: IT - Global ICT

Grade: Distinction

Vingroup AI Engineer Training Program

July 2023 - November 2023

Field: Artificial Intelligence and Data Science

- Specialization: Artificial Intelligence and Data Science with a focus on application-oriented background technology knowledge.
- Description: Selected participant in Vingroup's prestigious program, undergoing intensive training in cutting-edge AI technologies and gaining hands-on experience through internship projects.

Work experience

MindX Technology School

March 2021 - Oct 2023

Lecturer

- Specialized in teaching programming courses to kids such as Scratch, Game Programming, and Python.
- Taught computer science course with Python for teens, focusing on Data Structures & Algorithms, OOP, Data analysis, and visualization.

Hanoi University of Science and Technology

October 2022 - March 2023

Teaching Assistant - School of Information and Communication Technology (SoICT)

- Supported instructors in delivering lectures for Database and Techniques of Programming courses at Hanoi University of Science and Technology.
- Provided personalized assistance to students to ensure their comprehension of the material.
- Evaluated assignments and exams to maintain academic standards.

The Institute of Big Data (VinBigdata)

December 2023 - May 2024

Natural Language Processing Engineer

- Conducted research in information retrieval to enhance search algorithms, improving search functionality.
- Supported the ViGPT project by performing data labeling, retrieval, and model evaluation tasks, enhancing project performance.
- Finetuned a large language model for Named Entity Recognition in low-resource languages like Vietnamese, Arabic, Hindi, and Bahasa.

VMO Holdings September 2024 - Present

AI Engineer

- Provided AI solutions for various services, including using latest LLM and advanced techniques to meet customer needs.
- Developed and implemented Natural Language Processing models to apply to solve real world problems.
- Enhanced skills in AI development, problem-solving, communication with teammates and customer satisfaction.

PERSONAL PROJECTS AND ACTIVITIES

Volunteer: Supporter for Global Champions 2022

September 2022 -

November 2023

Role: Station staff

- Contributed to Global Champions, an English-based educational program providing high school students with opportunities to apply knowledge, solve problems, and develop essential soft skills.
- Hosted challenges at a station, guided participants through problem-solving tasks, and assessed individual results to facilitate skill development.

Project: Student Dropout Prediction

May 2023 - June 2023

Role: Independent Developer

- Developed a machine learning model to predict the likelihood of university students dropping out, leveraging the UCI Student Dropout dataset.
- Implemented Decision Tree and Random Forest algorithms to analyze key factors like academic performance and socio-economic background.
- Utilized tools such as SciPy, NumPy, Pandas, and Matplotlib to evaluate model performance using metrics like Accuracy, Precision, Recall, F1-Score.

Project: Multilingual open-domain NER for Low Resource Languages

February 2024 - June 2024

Role: Independent Researcher

- Developed a method to train multilingual large language models for open-domain NER tasks, focusing on Vietnamese.
- Conducted a comprehensive study on the multilingual transfer and multitask potential of encoder-decoder models like mT5 and mT0.
- Created a cleaned open-domain Vietnamese NER dataset to enhance model training for open-domain NER tasks.

Project: AI Recruiting Assistant for Candidate Competency

Septenber 2024 -

December 2024

Role: AI Developer

- Created a Smart AI Recruiter system by leverage GPT 3.5 API from OpenAI to evaluate a candidate on multiple steps from CV analysis to interview dialogue analysis.
- The AI module will evaluate the candidate CV, his/her answers to assessment questions, interview content and map the content to predefined competencies.
- · Code API for the AI system features using FastAPI
- · Communicated with the business stakeholders, business analysts, testers about the evaluation datasets of the AI system.
- Processed data, cleaned data and did the data mapping to structred data format.

Project: Building LLM for domain adaptation

December 2024 -

February 2025

Role: AI Developer

- · Conducted a comprehensive study on tokenizer algorithms and the role of tokenizer in helping LLM understand text.
- · Performed tokenzier training on domain-specific corpus to expand its original vocabulary, focusing on Llama 3.1 tokenizer.
- Trained domain knowledge for Llama 70B models on Samba Nova platform.

Project: Optimal resource allocation in healthcare domain

February 2025 - April 2025

Role: Data Scientist

• Cleaned and preprocessed historical sales and resource allocation data to ensure model readiness

- Trained an XGBoost model to predict sales outcomes under various resource distribution scenarios
- Simulated multiple allocation strategies to evaluate their impact on predicted sales performance
- Provided data-driven recommendations to the business team on how to optimize resource usage (e.g., increasing or reallocating resources) to improve sales effectiveness

Customer Segmentation April 2025 - May 2025

Data Scientist

Language

Soft skills

- · Collected and integrated customer data from multiple sources to build a comprehensive master dataset
- Performed feature selection, preprocessing, and feature engineering to prepare data for modeling
- Trained a KMeans clustering model to segment customers based on behavioral and demographic attributes
- · Analyzed segmentation results to uncover key patterns and characteristics of each customer group

• Vietnamese (Native)

Teamwork, Logical thinking, Critical thinking

• English (Fluent)

• Delivered actionable insights and strategic recommendations to the marketing team to enhance targeting and personalization efforts

CERTIFICATIONS AND ACHIEVEMENTS

Second Award in Mathematics		2019
Olympiad for Class 12, La	o Cai Province	
Second Place in Public Speaking Contest "Go-Getter"		2021
Dien Thuyet Club, Acaden	ny of Journalism and Communication	
Level-A Scholarship Semester 2022.2, 2023.1, 2023.2		2023-2024
Hanoi University of Science	ee and Technology (HUST)	
SKILLS		
Technical skills	• Programming Languages: C/C++, Java, Python, Bash, SQL	
	• Tools: Git, Docker, Linux shell scripting	
	 Libraries: PyTorch, Pandas, NumPy, Matplotlib, Scikit-learn, Hugging Faces 	