Contact

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Top Skills

Natural Language Processing (NLP)
Team Leadership
Guest Lecturing

Honors-Awards

Solution Architecture Association
(SAA-C03)

Publications

Inverted Bottleneck Convolution
Module for Yolov8

ViFin-Gen: Efficient Vietnamese
Instruction Dataset Generation
Pipeline for Finance Domain

A Novel Approach to Short-Term
Stock Price Movement Prediction
using Transfer Learning

Nguyen Thu

Teaching Staff || AI Engineer
Vietnam

Summary

Teaching Artificial Intelligence | NLP & LLM Specialist | Researcher
As an AI researcher with a passion for natural language processing
(NLP) and large language models (LLMs), I am eager to find
opportunities to contribute my skills and expertise. I hold a Master's
degree in Computer Science from the University of Ulsan, South
Korea, and have a strong foundation in machine learning, deep
learning, and programming. My robust research experience has
equipped me to drive breakthroughs in these cutting-edge fields. I
am excited to join a visionary organization where I can contribute to
transformative AI technologies and make a meaningful impact.

Experience

AI4Life - Hanoi University of Science and Technology
Assistant Lecturer
December 2023 - Present (1 year 4 months)
Hai Bà Trưng district, Hanoi, Vietnam

As a member of AI4Life, I am responsible for the following:

+> Teaching online some courses as

1. SO6803: Object-Oriented Programming in Java

2. SH6801: Project 2

3. SH6806: PHP - MySQL Website Programming

+> Training HUST students and guiding final project on cutting-edge
knowledge in Generative AI and Large Language Models.

SAMSUNG SDS
AI Engineer
February 2023 - Present (2 years 2 months)
Hà Nội

1. Project manager and Technical Leader of Smart Legal Document

Management Services

- Building solution architecture based on the customer's requirements

- Providing solutions for improving algorithms related to AI:

+ Legal chatbots

+ Smart search

+ Logistic classification documents

+ Highlight risks in Legal contracts

+ Summarize legal Documents

+ Integrate with OCR to handle many types of documents

2. Project manager and Technical Leader of fine-tuning Vietnamese LLM

- Build instruction data and training strategy to archive top-5 in the VMLU leaderboard (our goal)

- Experiment with a lot of models (Gemma, llama-2, seaLLM-v2.0, mistral-7B)

3. Training and integrating natural machine translation Korean-Vietnamese in Samsung production

4. Key information extraction

- Focusing on generating/prompting to develop the efficient dataset for downstream tasks such as Name Entity Recognition (NER), Question Answering (QA), Sentiment Analysis (SA)

- Deploying solutions for bank application

Data Design Engineering
AI Engineer
July 2022 - January 2023 (7 months)
South Korea

1. Book detection:

+> Using the Yolov5 model for book detection

+> Using OCR to detect book spine titles and elastic search to search and find books from a database

2. Text to speech

+> Focusing on researching text-to-speech models for Korean languages including voice cloning, emotion cloning

+> Develop CoquiTTS with Korean languages (successful training for KSS dataset)

Good Intelligence
AI Engineer
October 2020 - May 2022 (1 year 8 months)
Seoul, South Korea

1. Crawling data from many sources such as Pubmed, PubChem, ... and managing data based on using Postgresql

2. Working on finding relationships between drugs, diseases, proteins based on clustering algorithm

3. Using the Text Summarization method to handle the content of papers

4. Building 3D protein based on using Alphafold-Deepmind

5. Developing a buy-sell stock signal algorithm

6. Improving image morphing algorithm

Education

University of Ulsan (UOU)
Master's degree, Computer Science · (2018 - 2020)

Hanoi University of Science and Technology
Bachelor's degree, Computer Science · (September 2011 - June 2016)