Hồ Đăng Cao

AI Engineer Intern

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OBJECTIVE

I am eager to apply for the AI Engineer Intern position at TMA Tech Group. I aspire to apply my academic knowledge in real-world scenarios while learning and further developing my skills under the guidance of industry experts. I have continuously been reading science papers, learning and working on projects in this field every day. With enthusiasm and a growth-oriented mindset, I am confident in my ability to contribute to the company's success and simultaneously advance my professional growth in a creative and challenging environment.

EDUCATION

University of Science-VNUHCM 2020 - 2024

INFORMATION TECNOLOGY

• Major: Data Science (High-Quality Program)
• GPA: **8.18**/10

SKILLS

Programming language: Python, SQL.
Data crawling: Selenium, BeautifulSoup.
Data processing: Numpy, Pandas, Excel.
Machine learning: Pytorch, Scikit-learn, Statsmodel, Tensorflow, Keras.
Big data: Hadoop, Pyspark.
DataBase: MSSQL, MongoDB

AWARDS & CERTIFICATES

Semester 3 - 2020-2021

Excellent achievement in academic semesters.

October 7, 2024

VSTEP certificate: **6.5**/10

LASTEST PROJECTS

LARGE LANGUAGE MODELS (LLMs) SYSTEM

Team size - 1

GitHub
https://github.com/HoDangCao/LLMs.git

PROJECT DESCRIPTION

Building components of a LLMs system step by step from cratch:
- **Retrieval-Augmented Generation** (RAG).
- **Chain of Thought** (CoT).
- **Llama 3** model.

Technology

Pytorch, Numpy, Pandas, Spacy, Sklearn, Transformers, Matplotlib.

FOOD DEMAND PROJECT

Team size - 1

GitHub
https://github.com/HoDangCao/Food-Demand.git

PROJECT DESCRIPTION

The project aims to analyze Genpact's demand dataset (mastering EDA) and build algorithms (such as GBM, XGBoost, LSTM, etc) to predict future food demand (ML). By the project's end, the algorithm will be deployed as an API using FastAPI, allowing it to be integrated into web or mobile applications for real-world use.

Technology

Numpy, Pandas, Matplotlib, Seaborn, Statsmodel, Tensorflow, FastAPI.

MULTI-OBJECT CLASSIFICATION USING DEEP LEARNING MODEL

Team size - 2

GitHub
https://github.com/HoDangCao/multi-object-classification-based-on-deep-learning-model.git

PROJECT DESCRIPTION

Propose solutions and models to address challenges in real-world multi-object image classification.
My Responsibility: Investigate scientific papers related to multi-object classification tasks; Analyze real-world datasets to indentify issues that need to be resolved; Build image reprocessing techniques to eliminate unnecessary background elements; Implement, modify and enhance Only-Positive-Label model and combine with C-Tran models.

Technology

Pytorch, Numpy, Pandas, Streamlit, Scikit-learn.