

Nguyen Vu Tu

Fresher Data Engineer

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SUMMARY

Final year student with a strong academic foundation and extensive internship experience in the fields of Data Mining, Computer Vision, Natural Language Processing (NLP), and Artificial Intelligence (AI) research. I bring a wealth of project experience ranging from statistical analysis to advanced AI applications.

Currently, I am actively seeking a fresher position to advance and apply my skills.

EDUCATION

HCMC University of Technology and Education

10/2020 - Now

Embedded Systems and Internet of Things Engineering

GPA: 7.61/10

English Certification: Toeic 510

Relevant coursework: Deep Learning Specialization by DeepLearning.AI

TECHNICAL SKILLS

Machine learning Framework: Tensorflow, Pytorch, AirFlow

BI tools and Data Modeling: Power BI, Tableau, Microsoft Office

Programming: Python, C, C++, SQL

Database Management: MySQL, Postgresql

Data Analysis and Statistics: A/B Testing

Cloud and Big Data Analysis: PySpark, DataBricks, BigQuery

Soft skills: Able to listen, comprehend, and communicate in English, Product Management

Other: Linux OS, Git, Docker

WORK EXPERIENCE

FPT Software Ho Chi Minh

May 2023 - Aug 2023

AI Intern

Conducted research in Computer Vision, Natural Language Processing, Big Data, and Data Mining. Gained hands-on experience building, training, and optimizing deep learning models. Completed image classification project using convolutional neural networks and built a chatbot integrating APIs from OpenAI.

Developed teamwork, coding, analytical, and problem-solving skills in an AI environment. Presented internship results, proposed enhancements, and data visualizations to communicate insights.

ACADEMIC PROJECT

Hydraulic System maintenance prediction

Developing a model to detect abnormal working conditions of critical components in the hydraulic system which include two approaches:

- Task 1: Time Domain Analysis using SVM and XGBoost
- Task 2: 1D CNN Network for Multihead-Channel Analysis

- Link project: https://github.com/NguyenVuTu/hydraulic_maintenance_prediction

Tiktok Claim Classifications

Conduct A/B testing for TikTok user behavior and develop machine learning to classify each TikTok video as a claim or proposition.

- EDA understands the impact that videos have on TikTok users
- Conduct a hypothesis test to analyze the relationship between the verified status of TikTok users and their video view
- Built a logistic regression model that predicts the verified status of the User
- Random forest (RF) and XGBoost for classifying video claims
- Link project: <https://github.com/NguyenVuTu/tiktok-claims-classify>

Shopee Review Spam Detection

Detect spam reviews from users for products in commercials like Shopee and Lazada.

- Conducting crawling, collecting the user reviews, ratings, and product descriptions
- Utilize unsupervised learning algorithms (k-mean, PCA) to identify rules, and analyze the user behavior
- Develop deep learning pipeline using GNN + RL for downstream tasks
- Link project: https://github.com/NguyenVuTu/shopee_spam_review_detection