Le Phuoc Vinh Linh
Curriculum Vitae

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Introduction

With 1+ year of experience and comprehensive knowledge in Machine Learning, I excel in delivering actionable insights for sales, marketing, and technology teams. Combining expertise in data analysis and advanced computational approaches, I effectively communicate findings, propose data-driven improvements, and optimize operational excellence within AI and ML projects

Education

2020–2023	**Vietnam National University HCMC - University of Information Technology** B.Sc, Honors Program, in Computer Science. - GPA: *8.98/10*

Experience

5/2023–7/2023	**NOVOBI** · Python Backend Developer Line manager: *Mr. Nguyen Hoang* • Developed an interactive Odoo Dashboard integrating CRM, Accounting, Inventory modules, empowering clients to efficiently manage their entire business flow. • Streamlined retail operations by customizing the Odoo platform, enabling seamless sales requests through API. This automation saved 50% of time compared to manually. • Implemented a robust mail server and automatically send due sales order confirmation requests, resulting in a remarkable 40% increase in daily sale orders. • Gathered feedback from customers and optimize business operations by implementing three shipping methods based on leveraging valuable insight: Back-order, Drop-shipping, and Ship-alone.
4/2023–5/2023	**GRAB** · Bootcamp Engineer Participant 2023 Advisor: *Mr. Jonathan Ritchie* • *Top 1st Project*: Support affiliate marketing through data from e-commerce platforms. • Developed a scheduled workflow using Airflow Scheduling to crawl data from popular e-commerce platforms. • Designed a MongoDB database that can store up to 1,000,000 rows of data. • Achieved a remarkable 50% improvement in search speed by configuring Elastic Search. Implemented Logstash and Kibana effectively for efficient user log tracking, resulting in enhanced user experience and improved search algorithm performance.
2021–Present	**MMLAB-UIT, VNUHCM** · Research Student Advisor: *Ph.D Quoc-Hung Ngo* - Lecturer at University Colledge Dublin , Ireland • Conduct research and publish a paper on the problem of Few-shot learning in Nested Named Entity Recognition, which contributes to solving the low-resource problem in Natural Language Processing.

Awards

2022	*Second Prize* @ **BKAI-NAVER Challenge 2022: Vietnamese Scene Text Detection and Recognition.** Deploying detection and recognition modules by using SOTA deep learning approaches. Pre-processing and augmenting data to cover different scene text types.
2022	*Prize C* **of UIT Honor Challenge Scholarship 2022.** Top 1% for honor students who have achieved remarkable success in academic competitions.
2021	*First Prize* @ **VLSP2021 - VieCap4H Challenge: Automatic image caption generation for healthcare domains in Vietnamese**. Developed an RL-based method called SCST with the highest average BLEU score in both public and private test stage.

Projects

2022 | **Video retrieval system for Vietnamese News videos** · *Data Scientist*
- Conducting data quality assessments of the input video and implementing data cleaning and preprocessing techniques to ensure accurate and reliable results.
- Analyzing and processing large volumes of images captured from input video to extract valuable features and improve the system's performance.
- In charge of developing core modules of the video retrieval system.
Framework: FastAPI, MeiliSearch, SCANN.

2022 | **AI4VN 2022 - Medicine Pill Image Recognition Challenge** · GitHub
Build an end-to-end system to detect pills and recognize Out-of-prescription pills with information from Pill images and Prescriptions.

Skills

Programming | Python, C++, SQL.
Frameworks | PyTorch, FastAPI, Scikit-learn, Pandas, Numpy, OpenCV.
DevOps | Docker.
Databases | PostgreSQL, MongoDB
Misc. | Git, Bash scripting.

Volunteering

9/2021–6/2023 | **UIT AI Club** · President
Organize academic competitions in the field of AI for UIT students.