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Dao Xuan Hoang Tuan

Data Scientist

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EDUCATION & ACTIVITIES

International internship scholarship program , National Chung Cheng University, Taiwan	July - December 2024
<i>Research on Computer Vision based Authentication</i>	
Bachelor of Engineering in Data Science , Industrial University of Ho Chi Minh City, Vietnam	2021 - Present
<i>Third-year student - GPA: 3.1/4.0</i>	
Mentor/Leader of 2 Technology clubs , Programming Lab and AI Club - Data Innovation Lab, IUH	2021 - Present

WORK EXPERIENCE

Research internship / A*STAR Institute for Infocomm Research (A*STAR I²R)	October 2025 - Present
<i>Contribution</i>	Singapore
<ul style="list-style-type: none">Start developing voice AI models, and build products with voice applications.	
Co-founder / IXHealth	August 2024 - February 2025
<i>Contribution</i>	Ha Noi, Vietnam
<ul style="list-style-type: none">Responsible for the main AI and Computer vision development of the product.	
AI Engineer / IXHealth	January 2024 - February 2025
<i>Contribution</i>	Ha Noi, Vietnam
<ul style="list-style-type: none">Develop Computer Vision models to solve rep counting, calculate movement accuracy and check exercise form.Providing range of motion solutions, providing training instructions and warnings for users using AI.	
Intern Data Engineer / Real-Time Analytics (RTA)	March - September 2023
<i>Contribution</i>	Ho Chi Minh, Vietnam
<ul style="list-style-type: none">Collect data and enrich business data.Crawl active website Vietnam.Create AI Agent tools to support work.	

PROJECT & RESEARCH

AIstyle E-commerce website using AI chatbot	2023
<i>Leader of team Funny IUH</i>	Top 24 Vietnam Datathon
<ul style="list-style-type: none">Responsible for product planning, project management, and backend code.	
Fact Checking for Vietnamese	2023
<i>Leader of team AI Faster Varian</i>	UIT Data Science Challenge
<ul style="list-style-type: none">Retrieve evidence in context with Question Answering using pre-trained Vietnamese Bi-Encoder.Use PhoBERT for classification task and apply Natural Language Inference with pre-trained XLM-RoBERTa to classify text.	
Breast Cancer Detection	2023
<i>Co-author</i>	Young Scientists Conference
<ul style="list-style-type: none">Research on applying image processing techniques combined with deep learning networks to detect breast cancer.Paper was accepted at the YSC conferences.	
Privacy-Preserving Data Analysis on Blockchain	2023
<i>Co-author</i>	Young Scientists Conference
<ul style="list-style-type: none">Researched the application of combining blockchain Merkle tree and PIR.Paper was accepted at the YSC and Eureka conferences.	
Employee Staff Location Recommendation	2022
<i>Main author</i>	Euréka
<ul style="list-style-type: none">Researched the appropriate location for bus stops using clustering algorithms.Paper was accepted at the YSC and Eureka conferences.	

AWARDS & ACHIVEMENTS

Champion - InnoGreenLife 2023 Innovation Startup Competition - Core-team of IUHCoder.	2023
Third Prize - ICPC National 2022 (Vietnam) - Leader of team IUH.Ocean.	2022
Accepted Papers - Young Scientists Conference - 3 papers accepted.	2022, 2023
Consolation Prizes - Eureka Scientific Research - 2 consolation prizes.	2022, 2023

SKILLS

Tools	Python (PyTorch, Tensorflow, Numpy, OpenCV, Selenium, Requests, Numpy, Pandas, Matplotlib, Plotly, Bokeh), Java, C/C++, Data (SQL, PostgreSQL, SQLite, Azure, AWS), Web Development (HTML, CSS, JavaScript, FastAPI, Flask, Django, Docker).
Communication	Vietnamese (Native), English (Basic).
Mics.	Leadership, Teaching, rapid self-study, Organize events, Sport, Art.