

(+84) 337097115 / (+65) 9089 5918
Singapore
hoangtuan.salmon@gmail.com

Dao Xuan Hoang Tuan

Data Scientist

Blog: appsalmon.github.io
github.com/AppSalmon
linkedin.com/in/salmon1

EDUCATION & ACTIVITIES

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

WORK EXPERIENCE

Research internship / A*STAR Institute for Infocomm Research (A*STAR I²R)	October 2025 - Present
<i>Contribution</i>	Singapore
• Start developing voice AI models, and build products with voice applications.	
Co-founder / IXHealth	August 2024 - February 2025
<i>Contribution</i>	Ha Noi, Vietnam
• 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
• 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
• Collect data and enrich business data.	
• Crawl active website Vienam.	
• Create AI Agent tools to support work.	

PROJECT & RESEARCH

Aistyle E-commerce website using AI chatbot	2023
<i>Leader of team Funny IUH</i>	<i>Top 24 Vietnam Datathon</i>
• Responsible for product planning, project management, and backend code.	
Fact Checking for Vietnamese	2023
<i>Leader of team AI Faster Varian</i>	<i>UIT Data Science Challenge</i>
• 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>	<i>Young Scientists Conference</i>
• 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>	<i>Young Scientists Conference</i>
• 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>	<i>Eureka</i>
• Researched the appropriate location for bus stops using clustering algorithms.	
• Paper was accepted at the YSC and Eureka conferences.	

AWARDS & ACHIEVEMENTS

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.