

CURRICULUM VITAE – DAO XUAN HOANG TUAN

PERSONAL INFORMATION

📍 Ho Chi Minh City, Viet Nam.
☎ +84337097115
📧 @AppSalmon
✉ hoangtuan.salmon@gmail.com
🖋 Blog: Salmon

EDUCATION & ACTIVITIES

Industrial University of Ho Chi Minh City

2021-Present

- Third-year student

GPA: 3.02/4.00

Mentor of 2 Academic clubs

2021-Present

- Programming Lab (Specializes in competitive programming)

- AI Club - Data Innovation Lab (Specializing in artificial)

Teaching assistant and lecturer for new students

2021-Present

PROJECT & RESEACH

- **Aistyle E-commerce website using AI chatbot**
 - Leader of team Funny IUH (Top 24 Vietnam Datathon 2023).
 - Responsible for product, planning, project management and backend code.
- **Fact Checking for Vietnamese – UIT Challenge**
 - Retrieve evidence in context with Question Answering using pretrain Vietnamese Bi-Encoder.
 - Use PhoBert for classification task and use Natural Language Inference with pre-train XLM-RoBERTa to classify text.
- **Meow Time – Chrome Extension**
 - An extension I added to the chrome store to manage time, focus on work, and avoid distractions on social networks.
- **Machine learning lecture of AI Faster team**
 - My lecture series in the AI Faster group, this group is lead by me
- **Computer Vision Game**
 - An computer vision application game I made to present in the hall to new students
 - Instead of controlling with a mouse or keyboard, we can move our body to control the game character
- **Application of Image Processing Techniques Combined with Deep Learning Networks for Breast Cancer Detection**
 - Research on application of image processing techniques combined with deep learning networks to detect breast cancer, the paper was accepted at the YSC conferences (Co-author).
- **Privacy-Preserving Data Analysis on Blockchain's Merkle Tree**
 - Research on the application of combining blockchain merkle tree and PIR, the paper was accepted at the YSC and Eureka conferences (Co-author).
- **Use Clustering Algorithm To Recommend Employee Staff Location**
 - Researching the appropriate location for bus stops, the paper was accepted at YSC and Eureka conferences (Leader by me).

EXPERIENCE

- **Freelancer at IX Health – AI Engineer (1/2024 - Present).**
 - Develop an algorithm to count reps, calculate accuracy and provide warnings of exercises to users.
- **Intern at Real-Time Analytics (RTA) – Data Engineer(3/2023 - 9/2023).**
 - Collect data and enrich business data.
 - Crawl active website Viet Nam.
 - Create AI Agent tools to support work.

SKILLS

Coding: Python (PyTorch, Tensorflow, Numpy, OpenCV, Selenium), Java, C/C++, LaTeX.

Database: SQL, PostgreSQL, SQLite.

Web dev: HTML, CSS, JavaScript, FastAPI, Flask.

Special skills: Problem solving, communication and leadership, rapid self-study.

AWARD & HONORS

- **InnoGreenLife 2023 Innovation Startup Competition**
 - First prize 2023
 - Core-team of IUHCoder.
- **ICPC National 2022 (Vietnam)**
 - Third prize. 2022
 - Leader of team IUH.Ocean.
- **YSC conference - IUH Young Scientific Research**
 - 3 papers accepted. 2022, 2023
 - 1 paper Deep learning, 1 paper Machine learning, 1 paper Blockchain.
- **Eureka scientific research at school level**
 - 2 consolation prizes. 2022, 2023
- **UIT Data Science Challenge 2023**
 - Leader of team IUH.AI Faster Varian 2023
 - Top 12 private test round.