

# CURRICULUM VITAE – DAO XUAN HOANG TUAN

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## PERSONAL INFORMATION

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## 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.
- **Machine learning lecture of AI Faster team**
  - My lecture series in the AI Faster group, this group is lead by me
- **Game AI Demo K19.**
  - An computer vision application game I made to present in the hall to new students
- **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.