Dao Xuan Hoang Tuan

Data Scientist

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EDUCATION & ACTIVITIES

International internship scholarship program, *National Chung Cheng University, Taiwan*   July 2024 - Present
Research on Computer Vision based Authentication

Bachelor of Engineering in Data Science, *Industrial University of Ho Chi Minh City, Vietnam*   2021 - Present
Third-year student - GPA: 3.1/4.0

Mentor/Leader of 2 Technology clubs, *Programming Lab and AI Club - Data Innovation Lab, IUH*   2021 - Present

WORK EXPERIENCE

Co-founder / IXHealth   **August 2024 - Present**
Contribution   *Ha Noi, Vietnam*
- Responsible for the main AI and Computer vision development of the product.

AI Engineer / IXHealth   **January 2024 - Present**
Contribution   *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**
Contribution   *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**
Leader of team Funny IUH   *Top 24 Vietnam Datathon*
- Responsible for product planning, project management, and backend code.

Fact Checking for Vietnamese   **2023**
Leader of team AI Faster Varian   *UIT Data Science Challenge*
- 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.

Meow Time Chrome Extension   **2023**
Owner   *Personal Project*
- Created an extension to manage time, focus on work, and avoid distractions from social networks.

Breast Cancer Detection   **2023**
Co-author   *Young Scientists Conference*
- 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**
Co-author   *Young Scientists Conference*
- Researched the application of combining blockchain Merkle tree and PIR.
- Paper was accepted at the YSC and Eureka conferences.

Employee Staff Location Recommendation   **2022**
Main author   *Euréka*
- Researched the appropriate location for bus stops using clustering algorithms.
- Paper was accepted at the YSC and Eureka conferences.

AWARDS & ACHIVEMENTS

First Prize - 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++, Database (SQL, PostgreSQL, SQLite), Web Development (HTML, CSS, JavaScript, FastAPI, Flask, Django).
Communication	Vietnamese (Native), English (Basic).
Mics.	Leadership, Teaching, rapid self-study, Organize events, Sport, Art.