Curriculum Vitae

Quoc Khanh Tran

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🌐 *khanhtrq.github.io*

Education

09/2019 - present	**B.Sc. Data Science**, *Hanoi University of Science and Technology (HUST), Vietnam*
	• Expected graduation: 04/2025
	• CGPA: 3.53 / 4.0
	• Thesis: Multi-Domain Information Fusion for Plasmodium Life Cycle Development Classification - **Highest score** at Computer Vision Thesis Defense Committee, Winter 2024 Semester [Thesis Summary]
03/2023 - 07/2023	**Exchange Semester**, *Ostbayerische Technische Hochschule (OTH) Regensburg, Germany*
	• Funded by **Erasmus+ International Credit Mobility (KA107) Scholarship**

Research Experiences

02/2024 - 06/2024	**Research Attachment**, *Singapore Institute of Manufacturing Technology (SIMTech), Agency for Science, Technology and Research (A*STAR), Singapore*
	• Awarded **Singapore International Pre-Graduate Award (SIPGA)**
	• Project: E-waste Collection and Recycling Behaviuors Modeling in Singapore [Project Summary]
	• One publication at **32th CIRP Life Cycle Engineering Conference (LCE 2025)**
02/2022 - 01/2024	**Undergraduate Research Student**, *Computer Vision Lab, The International Research Center for Artificial Intelligence (BK.AI), HUST*
	• Projects: Auxiliary Learning for 3D Skeleton Action Recognition; View Consistency for Multi-view Action Recognition

Awards and Scholarships

2023	**Singapore International Pre-Graduate Award (SIPGA)**
2022	**Erasmus+ International Credit Mobility (KA107) Scholarship**
2019	**Honorable Mention**, *Vietnam Mathematics Olympiad*
2018	**Third Prize**, *Vietnam Mathematics Olympiad*

Publications

Quoc Khanh Tran, Lan Zhao, Yajuan Sun, Gaoxi Xiao, Zhiquan Yeo, Chuan Fu Tan, "E-waste Collection and Recycling Behaviors: An Agent-Based Model for Intervention Assessment in Singapore," *Proceedings of the 32th CIRP Life Cycle Engineering Conference (LCE 2025)*, 2025. (Accepted). [Manuscript].

Tran Ngoc Tuan, Duong Trong Luong, Pham Viet Hoang, **Tran Quoc Khanh**, Hoang Thi Lan Huong, Tran Xuan Thang, Tran Thuy Hanh, "Classifying 2D ECG Image Database Using Convolution Neural Network and Support Vector Machine," *Proceedings of the International Conference on Intelligent Systems Design and Applications (ISDA)*, 2022, pp. 292–300. DOI: 10.1007/978-3-031-35510-3_28.

Skills

Programming	Python, Java, C, SQL
Data Science	Deep Learning (PyTorch, MMPreTrain), Machine Learning (scikit-learn), Computer Vision (OpenCV), Data Analysis and Visualization (Pandas, Numpy, Matplotlib)
Modeling	Gama Platform
Language	English (IELTS 7.5/9.0), German (A1), Vietnamese (native)

Teaching Experiences

09/2023, 09/2024   **Teaching Assistant**, *Vingroup AI Engineer Training Program, VinBigData, Vietnam*
- Computer Vision Course

03/2022 - 02/2023   **Teaching Assistant**, *School of Information and Communication Technology, HUST*
- Data Structures and Algorithms Course
- Collaborated with Dr. Michel Toulouse, Prof. Jeff Edmonds (visiting professor from York University)

Extracurricular

24/05/2023   **Study Abroad Fair**, *OTH Regensburg*
- Participated with an information desk about home university (HUST) and country

25/03/2023   **German Culture Workshop**, *OTH Regensburg*

08/2022   **IACR-VIASM Summer School on Cryptography**, *Vietnam Institute for Advanced Study in Mathematics (VIASM)*