

Quoc Khanh Tran

📍 Hanoi, Vietnam

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🌐 khanhtrq.github.io

Education

09/2019 - 04/2025 **B.Sc. Data Science**, *Hanoi University of Science and Technology (HUST)*, Vietnam

- Overall GPA: 3.55 / 4.0; Major* GPA: 3.63 / 4.0
- Thesis: Multi-Domain Information Fusion for Plasmodium Life Cycle Development Classification - **Highest grade** at Computer Vision Thesis Defense Committee, Winter 2024 Semester [[Thesis](#)]

03/2023 - 07/2023 **Exchange Study**, *Ostbayerische Technische Hochschule (OTH) Regensburg*, Germany

- Funded by **Erasmus+ International Credit Mobility (KA107) Scholarship**

*Computer science and mathematics courses

Research Experiences

09/2024 - present **Undergraduate Research Student**, *Computer Vision Lab, The International Research Center for Artificial Intelligence (BK.AI), HUST*

- Collaborated with *French Armed Forces Center for Epidemiology and Public Health (CESPA)* and *French Armed Forces Biomedical Research Institute (IRBA)*
- Research topic: Multi-Domain Learning for Plasmodium Development Classification [[Project Summary](#)]
- Advisors: Dr. Nguyen Thi Oanh, Assoc.Prof. Muriel Visani, Asst.Prof. Thierry Urruty

02/2024 - 06/2024 **Research Intern**, *Singapore Institute of Manufacturing Technology (SIMTech), Agency for Science, Technology and Research (A*STAR), Singapore*

- Awarded **Singapore International Pre-Graduate Award (SIPGA)**
- Research topic: E-waste Collection and Recycling Behaviours Modeling in Singapore [[Project Summary](#)]
- Advisor: Dr. Sun Yajuan
- One publication at **32th CIRP Life Cycle Engineering Conference (LCE 2025)**

05/2022 - 01/2024 **Undergraduate Research Student**, *Computer Vision Lab, The International Research Center for Artificial Intelligence (BK.AI), HUST*

- Research topics: Auxiliary Learning for 3D Skeleton Action Recognition; View Consistency for Multi-view Action Recognition
- Advisor: Dr. Nguyen Thi Oanh

Awards and Scholarships

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

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. [[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](#).

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)

Technical Skills

Programming Python, Java, C, SQL, Gama Platform (for Modeling)

Frameworks Deep Learning: PyTorch, MPreTrain

 Deep Learning Platforms: Kaggle, Google Colab

 Machine Learning: Scikit-learn

 Computer Vision: OpenCV

 Data Analysis and Visualization: Pandas, Numpy, Matplotlib, Seaborn

Languages

English: IELTS 7.5/9.0, German: A2, Vietnamese: Native

Extracurricular

- 03/2023-06/2023 **Seminar Report** "Observers Engagement in United Nations Framework Convention on Climate Change (COP) Negotiation", *OTH Regensburg*
- 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)*