

Van-Nhan Dang

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EDUCATION

School of Information and Communication Technology (SoICT) Hanoi, Vietnam
Hanoi University of Science and Technology (HUST) Sep, 2022 – Now

Bachelor of Science in Global ICT Program

CPA: 3.75/4.00

Tran Phu Gifted High School Haiphong, Vietnam
Specialized Student in Informatics Jul, 2019 – Jul, 2022

GPA: 9.37/10.00

SKILLS

Programming Languages	C, C++, Java, Python, SQL, NoSQL,...
Math & Basic Science	Calculus, Algebra, Probability & Statistics, Discrete Math, Basic Physics
Industrial Core	Data Structures & Algorithms, Object-oriented Programming,...
Libraries & Tools	PyTorch, NumPy, Pandas, Git, GitHub, OpenCV, Matplotlib,...
Soft Skills	Problem-solving, Teamwork, Time Management, Critical Thinking
Languages	Vietnamese (Native), English (Advanced)

HONORS & AWARDS

HUST 2024.2 Academic Achievement Scholarship, Grade: Excellent Apr, 2025
Ranked **1st** in Cohort 67's IT track this semester. GPA: **4.00/4.00**, Training Point: **100/100**.

HUST 2023.1 Academic Achievement Scholarship, Grade: Excellent Nov, 2023

Participant, Vietnam Olympiad in Informatics (VOI) 2022 Mar, 2022
Participated in Vietnam's national Informatics competition.

Second Prize, Provincial Informatics Contest Sep, 2021

EXPERIENCE

Research Assistant Sep, 2024 – Now
BK.AI Research Center, HUST

- Conducted research in **Computer Vision** lab, focusing on image & video processing and anomaly detection.
- Applied deep learning models (CNNs, RNNs, Transformer-based) to analyze and detect anomaly events in videos and images.

Teaching Assistant Sep, 2024 – Now
SoICT, HUST

- Assisted in lab sessions for **Data Structures and Algorithms** courses.
- Guided students in programming and applying algorithmic thinking to solve practical problems.

PROJECTS

Fake News Detection [GitHub](#)

- Built a text classification pipeline using XLNet to detect fake news in English across multiple domains.
- Preprocessed data, fine-tuned and evaluated Transformer-based model.
- Conducted literature review, analysis, and co-wrote final report.

Movie Ticketing System [GitHub](#)

- Designed and implemented a relational database system for cinema ticket booking.
- Led schema design (ERD, relational schema), created views, indexes, and optimized query performance.

Movie Recommendation System

[GitHub](#)

- Developed a recommender system using collaborative filtering models.
- Implemented, evaluated, and optimized FunkSVD; conducted experiments and analyzed results.

Data Structures Visualization

[GitHub](#)

- Built a Java-based GUI to visualize data structures for educational purposes.
- Focused on stack operations; developed animations and step-by-step execution features.

EXTRA-CURRICULAR ACTIVITIES

Member

Dec, 2023 – Now

Youth Union – Student Association of SoICT, HUST

- Member of **Information, Propaganda & Foreign Affairs Department**
- Received *Certificate of Merit* for **outstanding contributions** from 2022 to 2024.

Volunteer

Dec, 2022 – Dec, 2024

SoICT Student Volunteer Team (VIT), HUST

- **Former Head of Administrative Affairs**, responsible for personnel management and team discipline.
- Actively engaged in volunteer activities. Led and took part in HUST's major volunteer campaigns: **Loving Spring** and **Green Summer**.