DANG VAN NHAN

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EDUCATION

Hanoi University of Science and Technology (HUST), Hanoi, Vietnam *September 2022 - Now*
Bachelor of Information Technology (Global ICT Program)
CPA: 3.75/4.00

Tran Phu Gifted High School, Haiphong, Vietnam *August 2019 - July 2022*
Specialized Pupil in Informatics
GPA: 9.30/9.30/9.50

SKILLS

Programming Languages	C, C++, Java, Python, SQL
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 *April 2025*
GPA: 4.00/4.00, Training Point: 100/100

HUST 2023.1 Academic Achievement Scholarship, Grade: Excellent *November 2023*

Vietnam Olympiad in Informatics (VOI) 2022 Participant *March 2022*

EXPERIENCE

Research Assistant *October 2024 - Now*
BK.AI, SoICT, HUST
Participated in **Computer Vision** research group, focusing on image and video processing tasks, particularly anomaly detection in videos using Deep Learning algorithms such as CNNs, RNNs, Transformer-based models,...

PROJECTS

Movie Ticketing System GitHub
- This project is the final assignment for **Database Lab** course, developed by a team of three.
- It focuses on designing and implementing a database system for movie ticket bookings.
- As the team leader, I designed the Entity-Relationship Diagram, mapped it to a Relational Schema, and optimized performance using indexes and materialized views.

Movie Recommendation System GitHub
- This project is the capstone assignment for **Introduction to Artificial Intelligence** course.
- It evaluates three recommendation models to enhance website user experience.
- I developed and optimized the FunkSVD model while contributing to the report and proposal.

Data Structures Visualization GitHub
- This is a capstone project for **Object-Oriented Programming** course.
- It visualizes operations on **stack, queue, and list** through a graphical interface.
- I implemented the stack visualization, wrote the report, and conducted application testing.

EXTRA-CURRICULAR ACTIVITIES

Teaching Assistant *September 2024 - Now*
[SoICT, HUST]
Worked as a teaching assistant for **Data Structures and Algorithms Basic Lab** courses during the 2024.1 and 2024.2 semesters, assisting students in mastering the C programming language and applying it to real-world problems.

Member *December 2023 - Now*
[Youth Union - Student Association of SoICT, HUST]
• Member of **Information, Propaganda & Foreign Affairs Department**.
• Received certificate of merit for **outstanding achievements in Youth Union work and youth movements** in the academic years 2022-2023 and 2023-2024.

Volunteer *December 2022 - December 2024*
[SoICT Student Volunteer Team (VIT), HUST]
• Actively participated in volunteer activities.
• Took part in HUST's major volunteer campaigns: **Loving Spring (Xuân yêu thương)** and **Green Summer (Mùa hè xanh)**.

PERSONALITY

- **Thinking & Work Skills**
  - Diligent, hardworking, and responsible.
  - Quick learner, adaptable, and positive mindset.
- **Work Ethic & Attitude**
  - Proactive, reliable, and resilient under pressure.
  - Strives for efficiency and continuous improvement.
- **Communication & Teamwork**
  - Strong teamwork and collaboration skills.
  - Composed and effective in challenging situations.
- **Passion & Career Orientation**
  - Passionate about Artificial Intelligence, Computer Vision and Generative AI.
  - Continuously learning and embracing challenges.