

Nguyễn Đình Dương

+ (84) 336 626 401 - 2901nguyendinhduong@gmail.com - [Linkedin](#) - [Github](#)

EDUCATION

Hanoi University of Science and Technology – HUST

Major: Global ICT - CPA: 3.71/4.0

Phan Huy Chu - Dong Da

GPA: 9/9.3/9.4

Ha Noi, Viet Nam

09/2022 - Now

Ha Noi, Viet Nam

9/2019 - 5/2022

SKILLS

Programming Languages: Python, C/C++ ,Java

Technology Skills: SQL(MySQL,SQL Sever), Html/Css, Figma,..

Libaries and tools: Pandas, Git, Github, Conda/Anaconda, Langchain, PyMuPDF,..

Math: Calculus 1, Calculus 2, Calculus 3, Algebra, Probability and Statistics

WORK EXPERIENCE

Data Analyst/ Data Engineer

FPT, Ha Noi, Viet Nam

12/2023 - 3/2024

- **Data Analyst:** Specializing in academic data analysis, they uncover insights and know-how, offering solutions for structuring and segmenting data to support AI bot machine learning endeavors.
- **Data Engineer:** They construct data pipelines capable of processing diverse file formats like PDFs and Word documents, extracting essential information and converting it into Markdown for easy integration into AI systems.
- **Working with Retrieval-Augmented Generation (RAG):** Data Engineers handle tasks such as text processing, chunking, embedding, and vectorization, enriching the AI's comprehension and utilization of textual data, thereby enhancing its capabilities in retrieval-augmented generation techniques.

PROJECTS

- **Sign Language Recognition** This project is dedicated to Sign Language Recognition using two different approaches: Convolutional Neural Networks (CNN) and Random Forest Classifier. The primary goal of this project is to recognize sign language through live video and compare the accuracy and efficiency of these two approaches with existing state-of-the-art methods.
My role in this project involves preparing the data, processing the data for training the models, comparing the effectiveness of the algorithms, and implementing the GUI. By managing these aspects, I ensure that the models have high-quality data for training, the performance of the algorithms is accurately evaluated, and the application is user-friendly and accessible. [GitHub](#)
- **Sorting Visualization Project** This project is a graphical representation of sorting algorithms, designed to help users understand and visualize how different sorting techniques work. My role in this project involves implementing use cases, creating UML diagrams, building classes in Java, and handling the logic behind the application. [GitHub](#)
- **Hospital Appointment Booking Website**, This is the Database Labs project at my school, developed by a team of four members. The project focuses on creating a Hospital Appointment Booking system to facilitate appointment scheduling for people. My responsibilities encompass project management, front-end development, and database management, database design, specifically SQL [GitHub](#)

COMPETITION

- Top 1 Student Creative Ideas Challenge - SOICT
- Top 6 DENSO Factory Hacks 2023
- Top 1 "Road to Olympus" intelligence exploration contest at the freshman student camp.

CERTIFICATIONS

- IELTS 6.0 by British Council
- Google Data Analytics Specialization
- Microsoft Office Specialist Excel 2016
- Microsoft Office Specialist Word 2013
- Microsoft Office Specialist Powerpoint 2013

EXTRACURRICULAR ACTIVITIES

- **Leader of the course "CONQUERING LATEX"** in [SoDiTEC Club](#) - 12/2022 - Now
SoDiTEC's "Conquering Latex" course will help students access and master basic and advanced knowledge about LaTeX. The course is posted on the daotao.ai system built and operated by Edtech Centre. After 2 months of opening, the course achieved more than **2000** students with 95% positive feedback
 - Manage general work and ensure the progress of course publication
 - Quality management of course content and Latex expertise
 - Support and answer questions for students during and after the course.
 - Update and modify courses to improve the quality of knowledge transmission
- **Deputy Director of Academic Research, Scientific Research and Career Guidance** in [Youth Union](#) School of Information and Communication Technology - 12/2022 - Now
The Academic - Scientific Research and Career Department is an important part of the Youth Union - Student Union of the School of ICT, a gathering place of extremely talented individuals, with a pioneering role in organizing academic competition activities, learning knowledge, orientation and helping students not only improve their knowledge to study better but also gain more practical skills for future work
 - Participate in contributing, building academic activities, organizing contests and academic events.
 - Together with members to develop and enhance the learning spirit of The School Of Information And Communications Technology as well as the student community
- **Head of Professional Content** of [BusiTech Bootcamp](#) - 03/2023 - 04/2023
BusiTech Bootcamp is a useful and professional playground, creating opportunities for new ideas and technology projects to be incubated, BusiTech Bootcamp is organized by Google GDSC-HUST Programming Students Club in collaboration with the Youth Union - Student Union of School of Information and Communication Technology, Science and Technology Club in Economics and Business CTE FTU, Delegation of Foreign Trade University
 - Work progress management
 - Participate in synthesizing, contributing content on professional

PERSONALITY

- A person who is highly responsible, progressive, always keeps an appropriate attitude and is humble
- Eager to learn, fast acquisition, adapt quickly and stay positive in any situation.
- Good teamwork skills, thinking and problem-solving skills