Nguyễn Văn Lộc (Nguyen Van Loc) | Student

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Applications for

- Data Science Intern
- Data Engineer Intern
- AI Engineer Intern

Education

Program	Institution/Board	GPA	Year
Bachelor (Information Technology) − Honor's Program (Talent Program)	University of Science, Vietnam National University Ho Chi Minh City *Ho Chi Minh City, Vietnam*	**8.89/10 (current)**	2020 - now

Knowledge

- Data Structures and Algorithms
- Computer Networks
- Probability and Statistics
- Exploratory Data Analysis
- Machine Learning
- Databases
- Combinatorics
- Linear Algebra
- Data Visualization

Technical Skills

- Programming Techniques
- Object-Oriented Programming
- Socket Programming
- Programming Languages: C, C++, Python, R
- Web Technologies: HTML, CSS, JavaScript (basic)
- Database System: Microsoft SQL Server
- Operating Systems: Windows, Linux (Ubuntu, Kubuntu)
- Jupyter Notebook
- Git and GitHub
- Tools: LaTeX, Anaconda, Microsoft Office

Course Projects

PC Control via Email
May - June 2022
HCMUS

- A socket application (server - client) that allows users to control their PCs in a LAN via email.
- Language: Python.
- Role: Socket Programmer, Tester.
- Projects for Computer Networks.
- GitHub link: https://github.com/vanloc1808/HCMUS-Computer-Networks-Projects/tree/main/Socket-Email

Favorite Place
May 2022
HCMUS

- A socket client − server application for mananing favorite places.
- GUI uses tkinter library.

- Language: Python.
- Role: Client Developer and GUI Designer.
- Projects for Computer Networks.
- GitHub link: https://github.com/vanloc1808/HCMUS-Computer-Networks-Projects/tree/main/Socket-Place

Research about Hidden Markov Model
April - May 2022
HCMUS

- A project for researching about Hidden Markov Model, includes: its theory, implementaion and application.
- Language: LaTeXand Python with Jupyter Notebook.
- Role: Theory researcher, collaborative implementer.
- Projects for Applied Mathematics and Statistics.
- GitHub link: https://github.com/vanloc1808/HCMUS-Applied-Maths-and-Statistics-Projects/tree/main/Project-2

Simple Data Description and Prediction
March - April 2022
HCMUS

- A project for data description and data prediction on a small set of data.
- Language: Python with Jupyter Notebook.
- Role: Collaborative Participant.
- Projects for Applied Mathematics and Statistics.
- GitHub link: https://github.com/vanloc1808/HCMUS-Applied-Maths-and-Statistics-Projects/tree/main/Project-1

Simple Chess Game
October - December 2021
HCMUS

- A chess game implemented with the basic concepts of object-oriented programming.
- GUI uses SFML library.
- Language: C++.
- Role: Main Developer.
- Projects for Object-Oriented Programming.
- GitHub link: https://github.com/vanloc1808/HCMUS-OOP-Project-ChessGame

Search Engine
June 2021
HCMUS

- Search a string in a variety of text files, using TF/IDF.
- Language: C++.
- Role: Collaborative Developer.
- Projects for Arts of Programming.
- GitHub link: https://github.com/vanloc1808/HCMUS-AP-Project-SearchEngine

Big Integers
May 2021
HCMUS

- Implemented arithmetic and logic operations on big integers, 128 bits or more.
- Language: C++
- Role: Collaborative Developer
- Projects for Arts of Programming
- GitHub link: https://github.com/mekanican/BigInteger

Online Courses

- Coursera:
  IBM Data Science Professional Certificate (August 2022),
  Writing in the Sciences (September 2021)

Online Courses Projects

Analyzing Historical Stock/Revenue Data and Building a Dashboard   **June 2022**

Coursera

- Extract the revenue data for Tesla and GameStop and build a dashboard to compare the price of the stock vs the revenue.
- Language: Python with Jupyter Notebook.
- Projects for Python Project for Data Science
- GitHub link: https://github.com/vanloc1808/Coursera-IBM-Data-science-professional-certificate/blob/main/course05-python-projects-for-data-science/Final-Assignment.ipynb

Analyzing and Predicting the Success of a SpaceX's Landing   **August 2022**

Coursera

- Extract the data of SpaceX's space missions, analyze, visualize them, then predict the success of landings.
- Language: Python with Jupyter Notebook.
- Projects for Applied Data Science Capstone
- GitHub link: https://github.com/vanloc1808/Coursera-IBM-Data-science-professional-certificate/tree/main/course10-applied-data-science-capstone

Achievements/Awards

- Competed in the *The 2021 ICPC Vietnam Southern Provincial Programming Contest*, team HCMUS-PenguinSpammers, rank 252 over more than 500 teams (2021).
- Competed in the *The 2022 Shopee Code League* (2022).

- Languages (Spoken/known): Vietnamese (Native speaker), English (IELTS 7.0 - 2019).