Nguyễn Văn Lộc (Nguyen Van Loc) | Student

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Education

Program	Institution/Board	GPA	Year
Bachelor (Information Technology)	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
- Databases
- Computer Networks
- Combinatorics
- Probability and Statistics
- Linear Algebra

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
- 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:
  Data Science Methodology (June 2022),
  Tools for Data Science (March 2022),
  What is Data Science? (March 2022),
  HTML, CSS, and Javascript for Web Developers (March 2022),
  Algorithmic Toolbox (February 2022),
  Introduction to Git and GitHub (February 2022),
  Writing in the Sciences (September 2021)

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).