

Nguyen Trung Duc

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Education

- **University of Science - VNUHCM** Aug. 2021 – 2025 (expected)
Bachelor of Science in Mathematics and Computer Science
Ho Chi Minh City, Vietnam
 - **Current GPA:** 8.55/10 (3.6/4)
 - **Relevant coursework:** Data Structures and Algorithms, Statistical Data Processing, OOP, Digital Image Processing, Introduction to Artificial Intelligence, Numerical Linear Algebra, Pattern Recognition, Algorithm Analysis, Machine Learning, Data Mining, Data visualization

Skills

- **Programming Languages:** Python, JavaScript, C++, R, SQL
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, scikit-learn
- **Web:** HTML, CSS, Requests, Beautiful Soup, Selenium, Flask
- **Tools:** Git, Vim, WSL

Activities

- **A CIMPA school on Applied Number Theory** ↗ Jun. 2024
- **Summer school in Data Science** ↗ Aug. 2023
- **Summer school on Bayesian statistics and computation** ↗ Jul. 2023
- **Google Developer Student Clubs - HCMUS** ↗ Nov. 2022 – Aug. 2023
AI and Machine Learning specialist
 - Prepared materials for Session 5: Git in the Zone in cs101 workshop
- **Road to Data Science project** ↗ Nov. 2021 – Mar. 2022
Content writer on Linear Algebra

Honors and Awards

- **Scholarship from National Program for the Development of Mathematics, VIASM** ↗ 2023 – 2024
- **Excellent Student - City Level, Grade 12, Third prize in Maths** 2021

Projects

- **Handling Missing Data** 🔗 Python, scikit-learn, Pytorch
Seminar coursework
 - Researched and implemented NeuMiss networks, handle missing data in linear regression problems
- **English learning system** 🔗 Python, Beautiful Soup
Scripts to learn English efficiently
 - Implemented async/await to enhance crawling speed, logging to track results, CLI version with fzf
 - Interacted with Notion API for vocabulary management, Gemini API to generate definitions, sentences
- **Get Info GitHub** 🔗 Python, requests
Crawl repositories, starred, gists of a user on GitHub
 - Reduced crawling time by switching from REST API to GraphQL
- **Musyc player** 🔗 Python, Flask
Music player web app built with Flask

Certifications

- **Vietnamese standardized test of English Proficiency (VSTEP 3-5)** Jul. 2024
 - Score: 6.5/10 (B2)
- **Coursera:** Machine learning

Last Updated: March 13, 2025