

# 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 (3.66/4)
  - **Relevant coursework:** Data Structures and Algorithms, Statistical Data Processing, Digital Image Analysis and Processing, OOP, Artificial Intelligence, Numerical Linear Algebra, Pattern Recognition, Algorithm Analysis, Machine Learning, Data Mining, Data visualization, Financial Mathematics, Monetary theory
  - **Thesis:** Lead-Lag Detection in Trading (work in progress)

## Skills

- **Programming Languages:** Python, JavaScript, C++, R, SQL
- **Libraries:** NumPy, Pandas, Matplotlib, seaborn, scikit-learn
- **Web:** 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, click, rich  
*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)