Nguyen Trung Duc

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Education

- **University of Science - VNUHCM**   Sep. 2021 – Sep. 2025
  Bachelor of Science in Mathematics and Computer Science   *Ho Chi Minh City, Vietnam*
  - **GPA:** 8.65/10 (3.69/4)
  - **Relevant coursework:** Data Structures and Algorithms, Statistical Data Processing, OOP, Artificial Intelligence, Numerical Linear Algebra, Pattern Recognition, Algorithm Analysis, Stochastic Processes, Machine Learning, Data Mining, Data visualization, Financial Mathematics, Monetary theory, Information Theory
  - **Thesis title:** Lead-Lag Detection in Trading

Skills

- **Programming Languages:** Python, JavaScript, C++, R, SQL
- **Libraries:** NumPy, Pandas, Matplotlib, seaborn, scikit-learn
- **Web:** Requests, Beautiful Soup, Selenium, Streamlit
- **Tools:** Git, LaTeX, WSL

Selected Projects

- **Movies Manager** ⦿   Python, Streamlit, Click
  - Developed a movie management tool with Streamlit, with full CRUD operations, CLI support, and Power BI dashboard for data visualization
- **Handling Missing Data** ⦿   Python, scikit-learn, Pytorch
  - Researched and implemented NeuMiss networks to handle missing data in linear regression problems
- **English learning system** ⦿   Python, Click
  - Built a comprehensive language learning CLI tool, integrated Gemini API to generate definitions and sentences
- **Get Info GitHub** ⦿   Python, Requests
  - Built a data crawling tool to get user's public repositories, stars, and gists using GitHub GraphQL API

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

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

Certifications

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