

NHI N. TRUONG

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EDUCATION

DePauw University

United States

Bachelor of Arts in Computer Science and Economics

08/25-05/29

- Affiliation: Management Fellows Program, Science Research Fellow Program, Information Technology Associate Program, Honor Scholar

VNU-HCM High School for the Gifted

Vietnam

High School Diploma Specialized in Computer Science (5% Acceptance Rate)

08/22-05/25

- GPA: 9.3/10
- Programming Languages: C++, Python, R

RESEARCH EXPERIENCE

I apply my engineering background to address problems in education and healthcare using data-driven technology, such as large language models and time-series forecasting.

Stanford Trustworthy Artificial Intelligence Research

United States

Research Assistant with Professor Sanmi Koyejo

06/23 - present

- Proposed hybrid AI benchmark framework with private content and public design to balance evaluation integrity and stakeholder trust; paper is reviewed at NeurIPS 2025.
- Finetuned and holistically evaluate six large language models for Vietnamese
- Published a paper as a co-first author at a top-tier international conference in artificial intelligence: Truong*, Nguyen*, Nguyen*, Le*, **Truong***, Quan, Koyejo. *Crossing Linguistic Horizons: Finetuning and Comprehensive Evaluation of Vietnamese Large Language Models*. In Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies. [Interview with The New York Times], [HAI Press]

VNU-HCMUT Artificial Intelligence Laboratory

Vietnam

Research Assistant with Professor Tho Quan

03/23 - 05/25

- Developed hybrid method for COVID-19 time-series forecasting and submitting papers to conference: **Truong**, Nguyen, Gropp, Truong. (2024). *Hybrid Transformer and Holt-Winter's Method for Time Series Forecasting*. ICLR 2024 Time-series for Health.

Google Summer of Code: The R Project for Statistical Computing

United States

Software Engineering with Professor Toby Dylan Hocking

06/24 - 08/24

- Enhanced **animint2** R package in Google Summer of Code by replacing phantomjs with Chrome, porting 50+ visualizations to GitHub Pages, and improving animint2pages function using webshot2.
- Implemented new features, fixed tests for Windows, Ubuntu, and MacOS, and expanded documentation for animint2 to extend interactive data visualization capabilities.

PROJECTS

Intelligence Conversational System for Education

Vietnam

Team Leader & Lead Technical Writer

07/23 - 10/23

- Built NLP-powered chatbot using Python with automated Q&A on schedules, tuition, and school policies.
- Integrated chatbot with Facebook Messenger to maximize user accessibility and platform reach.
- Reduced search time by 70% by consolidating multiple school communication channels into single AI interface.

SKILLS

Programming

Python, R, C++, MATLAB

Machine Learning

Large Language Models, Time-Series Forecasting, Model Evaluation, NLP

Data Analysis

Statistical Computing, Quantitative Research, Data Visualization

Software Tools

Git, GitHub, animint2, webshot2, LaTeX, Google Suite, Microsoft Office