Nhi N. Truong

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Education

DePauw University, Computer Science and Economics — Greencastle, Indiana, United States · 2025 – 2029
- Relevant Coursework: Software Development, Data Structures, Discrete Math, Calculus II, Calculus III
- Affiliations: Management Fellows Program (Business Honors), Science Research Fellow Program, Information Technology Associate Program (ITAP), Honor Scholar

Experience

Stanford Trustworthy Artificial Intelligence Research Lab, Machine Learning Research Engineer — Stanford, California, United States · June 2023 – present · 2 years 9 months
Advisor: Professor Sanmi Koyejo
- Architected novel AI evaluation framework combining public benchmark design with private test content to prevent data contamination and improve stakeholder trust, achieving 40% reduction in benchmark gaming compared to traditional approaches
- Built comprehensive evaluation framework with 10 NLP tasks (translation, summarization, Q&A, sentiment analysis) and 31 automated metrics, processing 50,000+ test samples to benchmark model performance, bias detection, and calibration accuracy
- Published paper as co-first author at NAACL 2024, featured in The New York Times and Stanford HAI

VNU-HCMUT Artificial Intelligence Lab, Machine Learning Research Engineer — Ho Chi Minh City, Vietnam · Mar 2023 – May 2025 · 2 years 3 months
Advisor: Professor Tho Quan
- Optimized deep learning pipeline for time series prediction architecture by combining Transformer neural networks with Holt-Winters statistical methods, reducing prediction error by 15% and improving training efficiency by 60%
- Led technical development as first author, managing 9-month development cycle from problem analysis to publication at ICLR 2024 Time Series for Health workshop

Google Summer of Code (The R Project for Statistical Computing), Software Engineering Contributor — United States · June 2024 – Aug 2024 · 3 months
- Migrated animint2 R package from PhantomJS to Chrome, refactoring visualization pipeline to enable headless browser testing and automated screenshot capture
- Implemented automated testing with testthat across Windows, Ubuntu, and macOS environments
- Developed HTML table layout system for multi-plot arrangements, automated screenshot export using webshot2, and ported 50+ interactive visualizations to GitHub Pages gallery

Projects

Intelligence Conversational System for Education — July 2023 – Oct 2023
Built NLP-powered chatbot using Python with automated Q&A on schedules, tuition, and school policies. Integrated with Facebook Messenger and reduced search time by 70%.
- Team Leader & Lead Technical Writer

Skills

Programming

Machine Learning

Data Analysis

Tools