HOANG T. NGUYEN

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nthoang84.github.io

github.com/nthoang84

EDUCATION

Brown University — Providence, RI

Ph.D. in Economics — *2024 – Present*

- Awarded A.M. *en route* in Economics in 2025
- Chancellor Tisch Fellowship for outstanding first-year performance

Dartmouth College — Hanover, NH

A.B. in Mathematics and Economics with Honors, magna cum laude — *2020 – 2023*

- Nelson A. Rockefeller Prize in Economics for best performance in the major
- First Place in the Thayer Mathematics Prize for first-year students

Hanoi-Amsterdam High School for the Gifted — Hanoi, Vietnam

High School Diploma with Mathematics specialization — *2017 – 2020*

- Second Place in the 2018 Vietnamese Olympiad in Informatics
- Ranked 1st out of 76,000 in the competitive high school entrance exam

RESEARCH EXPERIENCE

Graduate Research Assistant in Economics — 2025 – Present

Brown University — *Providence, RI*

- Assisted Professor Alexandre Gaillard in developing, implementing, and calibrating dynamic structural models of entrepreneurship to study wealth inequality in the United States
- Built C++ and Julia programs to compute the optimal taxation implied by these models, with the goal of achieving desired levels of redistribution and revenue while minimizing distortions caused by taxation

Predoctoral Researcher in Economics and Computation — 2023 – 2024

Microsoft Research New England — *Cambridge, MA*

- Assisted Dr. Markus Möbius in building Python and C# programs to retrieve, transcribe, and efficiently store online articles and video data, then analyzed news consumption behaviors using LLM
- Assisted Dr. Eleanor Dillon in developing MATLAB programs to estimate lifetime returns to entrepreneurship, including the option value of returning to paid employment

Undergraduate Research Assistant in Economics — 2021 – 2023

Dartmouth College — *Hanover, NH*

- Assisted Professor Andrew Samwick in implementing and optimizing stochastic, life-cycle models of consumption and labor supply in Python and C++ to quantify the insurance value of college financial aid policies
- Assisted Professor Diego Comin and World Bank economists with econometric analysis in Stata to study the variation in technology sophistication and productivity within and across firms in developing countries

TEACHING EXPERIENCE

Dartmouth College: Intermediate Macroeconomics (Fall 2023), Intermediate Microeconomics (Spring 2023), Theory of Finance (Fall 2022, Winter 2023), Real Analysis (Winter 2023)

Brown University: PhD Macroeconomics II (Spring 2026)

TECHNICAL SKILLS

Programming: Python, R, Stata, Julia, MATLAB, C++, C#

Tools: Git/GitHub, LaTeX, Visual Studio/VS Code, Microsoft Office Suite, High-Performance Computing Cluster

Languages: Vietnamese (native), English (fluent), French (beginner)