
NHAT M. TRAN

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EDUCATION

Boston University

Master of Science in Business Analytics, GPA: 4.0/4.0

Boston, MA

Anticipated Graduation: May 2026

Drexel University

Bachelor of Science in Economics, GPA: 3.7/4.0

Philadelphia, PA

September 2017 – December 2021

Major: Economics | **Minor:** Finance | **Concentration:** Business Economics

Honors: Dean's List, Drexel University, 2018 – 2021; A.J Drexel Scholarship, Drexel University, 2017 – 2021

SKILLS

- Programming & Libraries: Python (Pandas, NumPy, Scikit-learn, Plotly); SQL; R; Eviews
- Data Analysis Tools: Power BI; Tableau; Excel; Bloomberg; Macrobond; Haver; AWS; Git/GitHub; VS Code; Jupyter
- Technical Competencies: Macro Research; Data Visualization; Machine Learning (Regression, XGBoost, Random Forest); GenAI

PROFESSIONAL EXPERIENCE

Brandywine Global Investment Management

Global Macro Research Analyst

Philadelphia, PA

February 2022 – August 2024

- Automated and maintained internal database (4k+ indicators), library of 11k+ charts, enhancing 85% operational efficiency
- Performed macroeconomic and inflation analysis across Canada and major economies, generating insights to guide currency and sovereign fixed-income allocation
- Developed economic indices and applied supervised ML and robust regression in Python using internal, Bloomberg, and Macrobond data to identify market signals
- Led the development of data-driven marketing materials and client presentations, translating portfolio insights into clear narratives that increased client engagement by 20% and new business by 15%

KPIM Joint Stock Company

Business Intelligence Analyst

Hanoi, Vietnam

March 2021 – September 2021

- Validated and transformed Excel datasets (PivotTables, MATCH, COUNTIF, VLOOKUP) prior to Power BI integration to support comprehensive merger impact analysis
- Built Power BI dashboards to automate capital expenditure analysis, identifying cost-saving opportunities of \$15K+ annually
- Evaluated transition financial performance against benchmarks, driving informed decisions, cost savings, and risk management
- Integrated public health and insurance data from the Vietnam Ministry of Health to analyze COVID-19 infection trends and support data-driven risk assessment and decision-making

Ernst & Young LLP

Intern – Assurance Services

Hanoi, Vietnam

May 2020 – September 2020

- Designed data-driven valuation and performance drivers to assess quality of earnings, net indebtedness, and working capital while supporting growth, cost reduction, and process optimization
- Led and coordinated a six-member consulting team, interfacing daily with international clients on high-impact advisory projects
- Executed financial due diligence for private equity transactions using advanced financial analysis and modeling

City of Philadelphia – Streets Department

Intern – Office of the Deputy Commissioner of Streets

Philadelphia, PA

April 2019 – September 2019

- Assessed \$100K+ in vehicle violation data, uncovering billing and expenditure errors
- Processed prime and sub-consultant work orders and invoices of projects measuring up to \$2 million to perform valuation analysis
- Constructed data-driven financial performance reports to support city commission distribution and strengthen fiscal monitoring

RESEARCH EXPERIENCE

[Gender Disparities in Labor Force Analysis \(2024\)](#)

Labor Market Analytics Research Project, Boston University

September 2025 – December 2025

- Analyzed Lightcast and FRED data in Python, applying regression and ML models to forecast 2024 labor-market trends
- Built visualizations to assess skill demand, salary patterns, geographic variation, and gender-based differences across U.S. markets
- Synthesized model results with academic research to deliver actionable insights on hiring behavior and gender disparities

[The Modern Development of the Clothing Industry's Impacts on Bangladesh's Health and Environmental](#)

Economics Seminar's Research Paper, Drexel University

January 2021 – March 2021

- Examined Bangladeshi workers' health and safety evaluations and child exploitation issues through historical data compilation
- Identified potential strategies to address these concerns while maintaining a sustainable and economically viable sector