

Khôi Minh Trương

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EDUCATION & ACADEMIC ACHIEVEMENTS

Cornell University Graduate School

Ithaca, NY, USA

SC Johnson College of Business

May 2024

Master of Professional Studies in Applied Economics and Management (STEM)

Wabash College

Crawfordsville, IN, USA

Bachelor of Arts in Economics (*with* Business and Computer Science minors)

GPA 3.778/4.000

May 2023

Honors: Summa Cum Laude, Distinction in Economics, Dean's List, Presidential Scholarship

Benjamin A. Rogge Memorial Award, Wabash College Awards Chapel

Apr 2023

- Attained the highest Distinction in recognition of performance in academia and on comprehensive exams
- Articulated and defended most successfully the principles behind and the results of the senior syntheses

Robert Wedgeworth Scholarship Award, Wabash College 23rd Celebration of Student Research

Jan 2023

- Showcased and defended findings of capstone research to hundreds of students, faculty members, and trustees alike

Relevant coursework: Statistics, Econometrics, Micro-, Macro-, Behavioral Economics, Game Theory, Money-Banking, Financial Crises, Computational Methods & Machine Learning Applications in Business, Economics, and Management

SKILLS & INTERESTS

Computer: Proficient in Python analytical libraries, e.g., numpy, matplotlib, pandas, seaborn, statsmodels, and NetworkX. Fluency in R, Bloomberg Terminal, Stata 15, Microsoft Office and Google Docs Editors.

Languages: English and Vietnamese bilingual. Novice in Japanese.

Interested in research, business/market analysis, strategic planning, operations management, cycling, and scuba diving.

PROFESSIONAL EXPERIENCE

Educational Technology Center and Schroeder Center for Career Development

Crawfordsville, IN

Media Design Assistant and Editor

Sept 2019 – Apr 2023

- Edited student-body's most-viewed weekly newsletter and distributed to 98 different locations on campus
- Analyzed weekly career-developmental information to present accurate and useful publicity
- Coordinated distribution of posters and weekly career-service newsletters across campus for maximized visibility

Wabash College Department of Economics

Crawfordsville, IN

Research Assistant

Jun 2022 – Jul 2022

- Identified and reported daily and weekly summary reviews on existing related literature and data sources
- Curated datasets from diverse sociopolitical, macroeconomic, and financial sources for policy research
- Organized data panels and enhanced data quality to facilitate reliable regressions and yield robust outcomes

Research Team of VinaCapital (investment manager)

Ho Chi Minh City, VNM

Macro Research Assistant

Jan 2021 – Aug 2021

- Performed market research and information extraction, collaborating closely with prominent macro-research voices in producing biweekly written reports of macroeconomic topics that drive informed investment strategies
- Compiled biweekly-topic-related information from financial databases, news outlets' data dashboards, and governmental documents, both in English and in Vietnamese for strategic decision-making in fund management
- Prepared regular update reports of market data for senior economists and executives, mastering Bloomberg Terminal as well as honing fluency in Excel formulas and functions for financial-economic analyses

Grab (mobility-as-a-service provider)

Ho Chi Minh City, VNM

Market Engagement & Enforcement Intern

Jun 2020 – Jan 2021

- Expanded interpersonal skills by conducting field surveys evaluating market reactions to impending policy changes
- Prepared and aided in distribution of educational materials to combat misinformation in ride-hailing communities
- Facilitated crisis-management strategies with client-centric approaches, resulting in more manageable scale of pushback than predicted, mitigating potential losses by 45% compared to projections

PROFESSIONAL DEVELOPMENT

- Stage Management**, Wabash College Productions Aug 2022 – Jan 2023
- Oversaw and ensured smooth backstage processes to stage play housing hundreds of audiences
 - Facilitated conversations between designers and actors, as well as assessing and improving script intelligibility
- Volunteer Coordinator**, Ho Chi Minh City COVID-19 Civil Relief and Prevention Efforts May 2021 – Aug 2021
- Implemented plans for regional distribution of necessity-kit packages to residential areas
 - Delivered thousand tons' worth of food and produce, with medicine and testing kits to households safely
- Secretary**, Wabash College International Student Association Sept 2019 – Sept 2021
- Formulated plans and schedules for events of multicultural celebrations, such as Mid-Autumn or Holi festivals
 - Coordinated career events tailored for international students on campus
- Cultural Outreach**, Lê-Hồng-Phong's Art of Japan club Jul 2017 – Jun 2019
- Directed marketing campaigns and designed advertising graphic illustrations
 - Organized art and linguo-cultural exchange events with funding from the Consulate General of Japan
- Artist Leader**, The People Non-profit Organization Jun 2017 – May 2019
- Fostered and maintained semi-professional and deadline-conscious attitude amongst members
 - Created and supervised the making of artworks from waste materials for exhibition
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RESEARCH PROJECTS

Computer Science Independent Study, Wabash College Jan 2023 – Apr 2023
Faculty Sponsor: Professor Chad Westphal

Contagion in Motion: Unraveling Emergent Behaviors of Pathogen Mutation in Mobility Networks

Modeling the spread of infectious diseases has been an increasingly critical component in understanding and mitigating their impact, especially more so in recent years. The classic Susceptible-Infected-Recovered (SIR) model framework has been a powerful tool but with limitations. There has been much debate on the effectiveness of said models, considering the complex, dynamic, and inherently heterogeneous nature of human mobility. Utilizing Python, this study explores the use of scale-free and grid mobility networks and gauges how well they can model compared to other more complex systems and real-world epidemics. Key results show that our simulations perform incredibly well despite their simplicity in inputs. Even with no inherent constraints for mutations on infectivity and mortality, our simulated diseases still evolved to spread more readily and to kill their hosts less often. These findings provide more evidence to the relevance of less I/O-intensive systems in studying epidemic spreads and identifying effective strategies for disease control, particularly in situations where more complex models may not be applicable or compilable.

Economics Capstone Thesis, Wabash College Sept 2022 – Jan 2023
Faculty Sponsor: Professor Sujata Saha

Impacts on Income Inequality from the Aftereffects of Financial Crisis, with Market Expectations and Macroeconomic Factors

Recent decades have seen the distribution of income affected by multiple factors, especially with the recent financial crisis. This paper analyzes the aftereffects of the 2007–09 Great Recession on income inequality, in combination with market expectations and macroeconomic factors, across 15 countries. Annual data is collected for the period between 2004 and 2018, from upper-high-, lower-high-, and middle-income economies. Key results provide more evidence to the expected rise in income inequality across all-country income groups. Additionally, rising per-capita income in all panels is expected to translate to the narrowing income gap post-crisis. This paper also notes that expansionary monetary policies can have stabilizing effects on the income gap in all-country income groups involved.