Tianqi Zhang

(404) 405-5988 • Atlanta, GA 30329 • `tianqi.zhang@emory.edu` • linkedin.com/in/zhtianqi

EDUCATION

- **Emory University, Atlanta, GA**   *May 2025*
  Bachelor of Science in Applied Mathematics and Economics
  GPA: 3.92/4.00
  Relevant Coursework: Measure Theory (In progress), PhD Microeconomic Theory (A), PhD Econometrics (S), Causal Inference (A), Real analysis I (A), II (A-), Mathematical Statistics I (A), II (A), International Trade (A), Differential Equations (A), Abstract Vector Spaces (A), Multivariable Calculus (A)

TECHNICAL SKILLS

- **Software**: R (Advanced), Python (Advanced), Stata (Intermediate), MATLAB (Intermediate), Java (Intermediate), LaTeX

- **Languages**: (CEFR level) English - C2, Chinese - C2, French - B2

RESEARCH EXPERIENCE

- **Emory University Department of Economics, Atlanta, GA**   *May 2024 - Present*
  Research Assistant in Econometrics with Prof. Stephen O'Connell

  - Administered the design and implementation of randomized controlled trials (RCTs) amongst 6000 individuals in Iraq to evaluate the network spillover effect from financial aid treatment.

  - Extracted data from collected surveys and oversaw data cleaning and analysis using R; applied machine learning techniques to direct bootstrapping power calculation for research pre-analysis plan composition.

  - Developed literature reviews on statistics and machine-learning related social network effect estimation for team presentations.

  - Collaborated with Dr Stephen O'Connell and the coauthors to publish papers in Journal of Development Economics.

- **Emory University Department of Economics, Atlanta, GA**   *May 2023 - Aug 2023*
  Researcher - Summer Undergraduate Research Program with Prof. Nelson Lind

  - Performed independent research on applied macroeconomics and international trade, utilizing MATLAB and Python for numerical approximation and data analysis, contributing to insights on global trade patterns.

  - Gained proficiency in MATLAB and Python for data cleaning, processing, and numerical approximation of differential equations.

  - Performed literature review on Eaton-Kortum Model and other cutting edge trade theory models

- **Working Papers**

  - *Social Networks in Aid Allocation: A Comparative Analysis of Social Welfare*   *2024*
    (Work in Progress)
    Advised by Dr. Stephen O'Connell

TEACHING EXPERIENCE

- **Emory University Department of Economics, Atlanta, GA**   *Jan 2022 - May 2023*
  Teaching Assistant - Introductory and Intermediate Microeconomics

  - Provided weekly office hours and meet with students upon request to support and clarify class content and homework for 50+ students.

  - Collaborated with instructors to relay student feedback and track learning progress, ensuring effective teaching methods and materials.

– Evaluated and graded in-class worksheets, offering constructive feedback to enhance students' understanding of lecture content.

COMPETITION

- **Institute for Replication / Northwestern University, Evanston, IL** *May 2024 - Aug 2024*
  Team member representing Emory University Department of Economics

  – Replicated the empirical results of Travis Baseler's study, "Hidden Income and the Perceived Returns to Migration" (AEJ: Applied Economics, 2023), which examines the role of income misreporting and its effect on migration decisions in Kenya. Conducted robustness checks on the field experiments, focusing on the impact of providing urban income information to rural households.

  – Used Stata and R to reanalyze data, ensuring the replication of findings that rural workers underestimated urban incomes by nearly 50%, and how information frictions reduced migration.

  – Produced detailed reports on the reproducibility of migration and income trends, contributing to a comprehensive meta-analysis.

  – Contributed to a comprehensive meta-analysis paper as a co-author, combining multiple replication efforts to assess the reliability of published research.

  – Developed and executed a detailed game plan with the team, outlining responsibilities for replication tasks and producing a structured replication report summarizing findings.

COMMUNITY ENGAGEMENT

- **Emory Economics Student Society**
  President *Jun 2023 - Jan 2024*
  Executive Board Member *Sep 2022 - Jun 2023*

  – Led the planning and execution of 10+ events, including workshops, alumni panels, and faculty coffee chats, resulting in increased participation and academic engagement among undergraduate economics majors.

  – Organized workshops, alumni panel discussions, and monthly faculty coffee chats that enriched economics students; understanding of economics and fostering intellectual curiosity.

  – Led weekly executive board meetings to manage 15 board members in event organization; fostered an inclusive environment that encouraged active participation and diverse viewpoints, promoting meaningful conversations in intellectual curiosity, internship, and research opportunities among members.

  – Considered regular feedback to continuously improve the society's offerings, leading to a growth in regular attendees from under 100 to over 200 participants.

- **Student Advisory Board - Emory University Economics Department**
  Advisory Board Member *Sep 2023 - Present*

  – Provided constructive feedback in departmental meetings to represent students influencing decisions about courses and resource design to best support students' experience with the economics programs.

  – Facilitated department-led events, including major advising sessions, coffee chats with professors, and guest lectures with external speakers, to support the interests of current and prospective undergraduate economics majors.

CERTIFICATIONS

- Group 2: Social/Behavioral Focus For Human-Subject Research Information Handling (CITI Program)

HONORS & AWARDS

- Dean's List 2022, 2023, 2024 (top 20% GPA)

Tianqi Zhang

(404) 405-5988 • Atlanta, GA 30329 • `tianqi.zhang@emory.edu` • linkedin.com/in/zhtianqi

- Omicron Delta Epsilon National Economic Undergraduate Honor Society
- Davis United World College Scholar