Jiawei (Ethan) Liu

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EDUCATION

Rutgers University	**Newark, NJ**
PhD in International Business	08/2025 - Now

Brandeis University	**Waltham, MA**
Master of Arts in International Economics and Finance *(Concentration in Data Analytics, STEM)*	08/2021 - 05/2023

Relevant Courses: Applied Econometrics with R, Advanced Quantitative Analysis in Finance, Advanced Data Analytics, Computer Simulation & Risk Assessment, Forecasting in Finance and Economics, Information Visualization, Natural Language Processing

Southwestern University of Finance and Economics	**Chengdu, China**
Bachelor of Science in Finance *Concentration in Securities and Futures*	08/2016 - 06/2020

Scholarship: First Class Academic Scholarship (1%), Scientific Research Creation Scholarship (1%)

University of California, Berkeley (Exchange Study)	**Berkeley, CA**
Berkeley Global Access Program	08/2019 - 12/2019

WORK EXPERIENCE

North Dakota State University	**Fargo, ND**
Economic Research Specialist	10/2023 -- 06/2025

Brandeis University	**Waltham, MA**
Research Assistant	03/2023 – 09/2023
Teaching Assistant (Introduction to Microeconomics, Introduction to Macroeconomics)	08/2022 – 07/2023
Administrative Assistant	10/2021 – 05/2025

Research & Projects

Social-Economic Factors Affecting US Interstate Immigration

- Performed regression on state-to-state immigration panel data to identify key factors driving migration, specially focus on job opportunities, economic freedom factors like Governmental Expenditures, Union Density and Tax Burden

Utilizing TN Status to Attract Workers to North Dakota

- Demonstrate the affordability, accessibility and flexibility of the TN Visa Program as a solution for states experiencing severe labor shortage like North Dakota

- Analyze the limitations posed by occupational licensing on labor mobility and cross-border recruitment. Propose feasible solutions including expanding candidate pools, adopt universal recognition policies and rapid licensing processes

- The findings and impact were highlighted by North Dakota Monitor and featured in Governing.

Food Insecurity in North Dakota

- Visualized food insecurity in North Dakota by mapping it county-by-county and comparing it to the national average. Identified key drivers of food insecurity, including unemployment, poverty, and inflation, with a focus on high-need counties like Rolette, Benson, and Sioux.

- Collaborated with the Great Plains Food Bank to assess food aid distribution, identifying a $47.8 million shortfall to meet statewide needs. Delivered recommendations to improve targeted interventions and response strategies using data-driven insights, enhancing the effectiveness of hunger alleviation programs across the state.

- The findings and impact were highlighted by Jamestown Sun newspaper, WDAY TV, Bismarck Tribune, KFGO radio and InForum, referenced in legislative discussions on a proposed bill aimed at addressing food insecurity in North Dakota.

Suggested Revisions for the North Dakota University Systems Funding Formula

- Analyzed and revised the North Dakota University System's funding formula, forecasted graduates' whole career income, conducted Return-On-Investment (ROI) analysis across various majors and degree levels by factoring in worker retention

rates, wage increases and tax contributions. Utilized a fixed-effects Ordinary Least Squares (OLS) regression to quantify the impacts of online versus in-person education on economic output

Solutions for the Teacher Shortage in North Dakota

- Identified reasons for teacher shortages in less developed areas like North Dakota, including pay disparities, working conditions, geographical challenges, and low graduation rates from education programs. Proposed solutions include fast-tracking licensing, improving pay, and promoting alternative education forms
- Published research results in a policy brief and testified before the state's Teacher Retention and Recruitment Task Force (by co-author)

Publications

Liu, J. (2025). Utilizing TN status to attract workers to North Dakota. Challey Institute, North Dakota State University. https://www.ndsu.edu/fileadmin/challeyinstitute/Utilizing_TN_Status_to_Attract_Workers_to_North_Dakota.pdf

Liu, J. (2024). Food Insecurity in North Dakota. Challey Institute for Global Innovation and Growth, North Dakota State University. Retrieved from https://www.ndsu.edu/fileadmin/challeyinstitute/Food_Insecurity_in_North_Dakota.pdf

Feir, R., & **Liu, E.** (2024). Solutions for the Teacher Shortage in North Dakota. Challey Institute for Global Innovation and Growth, North Dakota State University. Retrieved from https://www.ndsu.edu/fileadmin/challeyinstitute/Solutions_for_the_Teacher_Shortage_in_North_Dakota.pdf