Jin Niu

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Education

Brown University	Aug 2023 – present
PhD, Economics	*Providence, RI*
Brown University	Aug 2023 – May 2024
M.A., Economics, GPA 4.0/4.0	*Providence, RI*
University of Michigan	Aug 2019 – May 2023
B.S. Economics (Highest Honors), Statistics (High Honors), & Math (Minor), GPA 3.85/4.0	*Ann Arbor, MI*

Publications

3. Zhou, J., Li, X., Liu, Y., Niu, J., Wu, N., Lu, T. (2025). The minimum land areas required for maximizing biodiversity conservation. *Biological Conservation*, 302, 110943.

2. Niu, J., Brown, C., Law, M., Colacino, J. A., Ritov, Y. (2024). Longitudinal Position and Cancer Risk in the United States Revisited. *Cancer Research Communications*, 4(2), 328–336.

1. Zhou, J., Niu, J., Wu, N., Lu, T. (2023). Annual high-resolution grazing intensity maps on the Qinghai-Tibet Plateau from 1990 to 2020. *Earth System Science Data Discussions*, 1–21.

Research Experiences

Research Assistant for Toru Kitagawa — June, 2025 – Sep, 2025
Brown University, Department of Economics — *Providence, RI*
- Implemented welfare maximization framework in R using Gurobi optimization for treatment choice.
- Designed simulated experiments and validated the model using empirical datasets.

Research Assistant for Jonathan Roth — June, 2024 – Sep, 2024
Brown University, Department of Economics — *Providence, RI*
- Assisted in the refinement of an R package, "MedBounds", for "Testing Mechanisms" by unit testing, identifying and fixing coding errors, and ensuring function integration and cohesion.

Research Assistant for Tao Lu — June, 2023 – Aug, 2023
Chengdu Institute of Biology, Chinese Academy of Sciences — *Chengdu, China*

Research Assistant for Florian Gunsilius — May, 2022 – Nov, 2022
University of Michigan, Department of Economics — *Ann Arbor, MI*
- Gather Night Lights data from Google Earth Engine.
- Wrote an honors thesis titled *Observing Lockdown from the Outer Space*, achieved highest honors upon graduation

Research Assistant for Ya'acov Ritov — Jan, 2022 – Aug, 2022
University of Michigan, Department of Statistics — *Ann Arbor, MI*
- Research on the relationship between being in different longitudes of a time zone and cancer rates in the United States (funded by Natural Science Foundation).

- Conduct data collection, cleaning, and manipulation; apply regression discontinuity design using natural splines.
- Refute a previous paper by concluding that the difference in cancer rates across time zone borders is not significant.
- Wrote an honors thesis, *Longitudinal Position and Cancer Risk in the United States Revisited*, achieved high honors upon graduation

Teaching Experiences

Teaching Assistant for ECON 1540: International Trade	Jan, 2025 – May, 2025
for Kellie Forrester, Brown University	*Providence, RI*
Teaching Assistant for ECON 1630: Mathematical Econometrics I	Sep, 2024 – Dec, 2024
for Toru Kitagawa, Brown University	*Providence, RI*

Other Experiences

Vice President of M-etrics (Econometrics Student Club) Aug, 2022 – May, 2023
University of Michigan, Department of Economics *Ann Arbor, MI*
- Lead bi-weekly meetings (size of 40) and teach Python commands in settings applicable to econometrics.
- Help members with debugging.
- Facilitate members with completing final projects and giving presentations.

Board Member of Omicron Delta Epsilon Jan – May, 2023
University of Michigan, Department of Economics *Ann Arbor, MI*
- Managed and coordinated guest speaker event of graduate students for members of ODE (International Honors Society for Economics) with fellow officers.

Industry Research Intern May – Aug, 2021
Huachuang Securities *Beijing, China*
- Researched a water utility company's operating history, current management guidance on future development projects and financial performance, as well as industry outlook. Published on the company's social media platform for clients to make investment decisions.
- Completed a report analyzing Chinese utilities industry's exposure to government policy changes
- Compiled reports that summarized collected data on R&D investments in the Chinese clean and renewable energy industry
- Gathered daily and weekly market updates of the energy industry from news agencies and government websites, updating clients on market movements.

Awards & Honors

Ferrando Honors Prize (3/700+) Outstanding students in the economics graduating class	
University of Michigan	*2023*
University Honors (six consecutive semesters)	
University of Michigan	*2019 – 2022*
James B. Angell Scholar	
University of Michigan	*2021*
William J. Branstrom Freshman Prize	
University of Michigan	*2019*
California Scholarship Federation	
Las Lomas High School	*2017 – 2018*

Skills

Languages: English (near native) and Mandarin (native).
Programming Languages: R (Proficient), Python, Java (Intermediate), Javascript, SQL, MATLAB (Beginner).
Others: LaTeX, Google Earth Engine (GEE).

Other

Membership: Society of Women in Economics.
Volunteering: University major/minor exploration events; poll worker.
Sports: Badminton (skilled amateur), swimming (intermediate), fencing (beginner).
Musical Instruments: Guzheng (advanced), piano (beginner).
Hobbies: Calligraphy, photography, writing, clay making, oil painting and watercolor.