

Education

The Ohio State University, Columbus, Ohio

Degree: Bachelor of Science

Primary Major: Economics with Honors Research Distinction

Secondary major: Chinese with Honors Distinction

Minor in Mathematics with Honors Distinction

August 2019 – May 2024

Cumulative GPA: 3.88/4.0

Achieved advanced Chinese language proficiency through three intensive summer Chinese language programs: Harvard University, Taipei, Taiwan (2023); Middlebury College, Middlebury, Vermont (2022); and Princeton University, remote (2021).

Work Experience

Full-time Research Analyst, Institute of Economics, Academia Sinica (June 2024 – present)

Working in Professor Hsu Wen-Tai's (許文泰) Spatial Economics Lab with key responsibilities that include:

- Deriving a simplified commuting cost model from Takeda and Yamagishi's approach in "The economic dynamics of city structure: Evidence from Hiroshima's recovery" for Taipei and New Taipei residents using Python and MATLAB.
- Developing a dynamic migration model in Python and MATLAB to investigate how inverse migration elasticity responds to uncertainty in the U.S. using the Euler approach from Artuç, Chaudhuri, and McLaren's paper "Trade shocks and labor adjustment: A structural empirical approach".
- Assessing leading and key research papers in Urban and International Economics to facilitate deeper economic analysis for professor evaluation through LaTeX presentations.

Teaching Assistant for Urban Economics and Policy, National Taiwan University (February 2025 – present)

Hold weekly office hours to reinforce course subject matter and address students' questions. In charge of course grading and providing instructional feedback on student written assignments and exams under the supervision of Professor Hsu Wen-Tai.

Grader for Principles of Macroeconomics, The Ohio State University (August 2023 – May 2024)

Led course grading and provided instructional feedback on student written assignments and exams under the supervision of Professor Jeyoung Moon.

Undergraduate Economics Learning Center Tutor, The Ohio State University (August 2023 – May 2024)

Responsible for peer-to-peer tutoring to support and guide the academic needs of undergraduate students on a weekly basis.

Citizenship Tutor, Community Refugee and Immigration Services (April 2022 – May 2023)

Counseled adult learners in one-on-one sessions within the refugee community in Columbus, Ohio to help them prepare for the U.S. citizenship test.

Research

Undergraduate Honors Thesis, "Analyzing the Effect of World Trade Organization Disputes on Specific Markets and Industries" (2024)

This paper uses an event study model to find that industry stock prices for both complainants (member countries who initialize a case) and respondents (member countries who are facing a judgement from WTO judges) do not receive any significant effects from WTO policy during the entire period that the dispute takes place. Moreover, these findings are reinforced after performing two variations of a Bayesian hierarchical model. The results will contribute to future research on the impact of trade tensions between nations and the challenges facing the WTO's dispute settlement system.

Honors and Awards

The Ohio State University Eminence Fellowship, full cost-of-attendance merit award given to 25 incoming freshmen

Federal Reserve Bank of Cleveland, Economic Scholars Program; Selected to present Honors Thesis (2024)

The Ohio State University Department of Economics Advisory Board Annual Meeting; Selected to present Honors Thesis (2024)

The Ohio State University Department of Economics Undergraduate Research Forum Award (2023)

The Ohio State University East Asian Languages and Literatures Undergraduate Research Forum Award (2024, 2023, & 2021)

The Ohio State University East Asian Studies Center Intensive Chinese Language Scholarship (2022)

The Ohio State University Wolfe Study Abroad Scholarship (2020)

Skills & Courses

Skills: LaTeX, MATLAB, Python, R, and Stata. Courses: PhD-level Advanced Quantitative Methods I & II; PhD-level Applied Econometrics I; Real Analysis I & II; Linear Algebra; Calculus 3; Master's-level Econometrics; Master's-level International Trade.

Academic References

Dr. Wen-Tai Hsu, Academia Sinica, wthsu@econ.sinica.edu.tw; Dr. Gabriel Mihalache, Ohio State University, mihalache.2@osu.edu;

Dr. Ian Sheldon, Ohio State University, sheldon.1@osu.edu; Dr. Yongyang Cai, Ohio State University, cai.619@osu.edu;