

Shengyang “Travis” Cao

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Education

Ph.D. in Economics, University of Wisconsin-Madison. 2024 (expected).

B.A. in Economics and Mathematics, University of Wisconsin-Madison. 2019 (expected).

Economics major with mathematics emphasis and honors

Comprehensive Honors candidate (Honors in Major and Honors in Liberal Arts)

Research Interests

Environmental Economics, Applied Microeconomics, Econometrics.

Research Projects

2018 “Does Energy Efficiency Affect Demand: An Empirical Study on the Energy Paradox Within Automobile Industry.” Senior Honors Thesis.

Grants, Scholarships, and Honors

- 2019 Juli Plant Grainger Scholarship in Economics.
UW-Madison, Department of Economics.
- 2018 Honors Senior Thesis Summer Research Grants.
UW-Madison, College of Letters and Science Honors Program.
Project: Perform market demand estimation on California non-commercial automotive sector to determine the role of fuel efficiency in consumer preferences.
Mentor: Professor Matthew Wiswall, UW-Madison, Department of Economics.
Amount: \$3,000.
- 2018 Degenhart Family Scholarship in Economics.
UW-Madison, Department of Economics.
- 2015-17 Dean’s List (all semesters).
UW-Madison, College of Letters and Science.

Academic Presentations

- 2019 “Does Energy Efficiency Affect Demand: An Empirical Study on the Energy Paradox Within Automobile Industry,” Senior Honors Thesis Symposium.
UW-Madison, College of Letters and Science Honors Program.
- 2018 “Does Energy Efficiency Affect Demand: An Empirical Study on the Energy Paradox Within Automobile Industry,” Guest Speaker at *Global Economic Forum* Kick Off Meeting.
UW-Madison, Department of Economics.
- 2017 “Groups & Symmetries,” Undergraduate Directed Reading Program.
UW-Madison, Department of Mathematics.
Mentor: Moisés Herradón Cueto, UW-Madison, Department of Mathematics.

Academic Experiences

- 2018-19 Research Intern and Data Analyst.
[Epistemic Analytics](#). UW-Madison, Wisconsin Center for Education Research (WCER).
Projects: How multimodal data analysis facilitates understanding of student learning. Personally developed R package [hoo](#) for learning progress analysis.
Mentors: Hanall Sung, Professor David Shaffer, UW-Madison, WCER.

Work Experiences

- 2016-18 Helpdesk Support Specialist, Quality Control, and Floor Supervisor.
IT Helpdesk. UW-Madison, Department of Information Technology (DoIT).
- 2016 Marketing Assistant.
Waukesha, WI District. College Works Painting.

Miscellany

Languages

Chinese, native speaker
English, bilingual proficiency

Technical Skills

R (data.frame, data.table, tidyr, ggplot2, devtools, R package creation and maintenance),
Java, Python (pandas, numpy, StatsModels, matplotlib, seaborn, geopandas, scikit),
L^AT_EX (including Beamer), Markdown, Liquid, Jekyll, Stata, MATLAB

Citizenship

China, People's Republic of