Shengyang "Travis" Cao

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Education

Ph.D. in Economics, University of Wisconsin-Madison. 2019-24 (expected).

B.A. in Economics and Mathematics, University of Wisconsin-Madison. 2015-19.
Economics major with mathematics emphasis and honors
Graduated with Comprehensive Honors (Honors in Major and Honors in Liberal Arts)

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),
LaTeX (including Beamer), Markdown, Liquid, Jekyll, Stata, MATLAB

Citizenship

China, People's Republic of