Shengyang "Travis" Cao

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Education

B.A. in Economics and Mathematics, University of Wisconsin-Madison, 2019 (expected).
Economics major with mathematics emphasis
Honors candidate for economics major
Comprehensive honors candidate (Honors in Major and Honors in Liberal Arts)

Research Interests

Environmental Economics, Public Economics, Econometrics, Applied Microeconomics.

Research Projects

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

2018   "Uncertainty in Lightbulb Failing: A Study on the Energy Paradox Within the U.S. Residential Lighting Market."
Research write-up forthcoming in *Equilibrium* Fall 2018 issue, UW-Madison Economics Undergraduate Research Journal.

Awards and Honors

2018   Honors Senior Thesis Summer Research Grants.
UW-Madison, College of Letters and Science Honors Program.
Project: "Does Energy Efficiency Affect Demand: An Empirical Study on the Energy Paradox Within Automobile Industry."
Mentor: Professor Matthew Wiswall, UW-Madison, Department of Economics.
Amount: $3,000.

2018   Recipient of Degenhart Family Scholarship in Economics.
UW-Madison, Department of Economics.

2015-2017   Dean's List under College of Letters and Science.

Academic Presentations

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

Data Analyst & Lab Research Intern.

Epistemic Analytics, Wisconsin Center for Education Research (WCER), UW-Madison.

Supervisors: Ph.D. candidate Hanall Sung, Professor David Shaffer, UW-Madison, WCER.

Projects: How multimodal online resource materials facilitate with student learning; policies on what resource to deploy in learning environments are proposed accordingly. Personally developed and am actively maintaining R package hoo for learning progress analysis.

2018-present

Work Experiences

Helpdesk Support Specialist, Quality Control, & Floor Supervisor.

Department of Information Technology (DoIT), UW-Madison.

2016-2018

Marketing Assistant.

Waukesha District, College Works Painting.

2016

Miscellany

Languages

Chinese, native speaker

English, bilingual proficiency

Technical Skills

R (data.frame, data.table, tidyr, ggplot2, devtools, R package creation and maintenance),

Python (pandas, numpy, StatsModels, matplotlib, seaborn, geopandas),

LaTeX, Markdown, Stata, Jekyll, MATLAB, Microsoft Office

Citizenship

China, People's Republic of