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 under College of Letters & Science

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 process analysis.

Spring 2018 - present

Work Experiences

Helpdesk Support Specialist, Quality Control, & Floor Supervisor.

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

Fall 2016 - Spring 2018

Marketing Assistant.

Waukesha District, College Works Painting.

Spring 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