

# Shengyang “Travis” Cao

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Last updated: November 20, 2018

## 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: Whether multimodal resource improve student online learning ability; propose policy accordingly.*

*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),

L<sup>A</sup>T<sub>E</sub>X, Markdown, Stata, Jekyll, MATLAB, Microsoft Office

### Citizenship

China, People's Republic of