

# LI LIU

Phone: 812-287-3072 ◇ Email: [lliu95877@gmail.com](mailto:lliu95877@gmail.com)

Website: <https://github.com/liu431>

## EDUCATION

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### University of Chicago

Sep 2018 - Jun 2020 (expected)

M.A., Computational Social Science, GPA: 3.9

### Indiana University Bloomington

Aug 2015 - May 2018

B.S., Applied Mathematics & B.A.(Hons.), Economics, GPA: 3.6

## SKILLS

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### Programming Languages

Python, R, Stata, MATLAB

### Research Methods

Causal Inference, Applied Econometrics, Machine Learning

## RESEARCH EXPERIENCE

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### Open Source Economics Laboratory Boot Camp

Summer 2019

*Student Researcher*

*Chicago, IL*

- Collaborated with other 25 graduate students to code daily assignments in computational economics
- Learned computational and modeling skills in Python for conducting dynamic economic research
- Optimized the computation with high performance computing using the UChicago computing cluster

### Data Analytics Office, Harris School of Public Policy

Winter & Spring, 2019

*Research Assistant*

*Chicago, IL*

- Scraped web data on charitable donors with BeautifulSoup in Python to help identify potential donors
- Generated features from students survey data and applied machine learning to predict job placements
- Applied the optimization algorithm to improve the results of the Alumni Connect program by 10%

## TEACHING EXPERIENCE

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- Perspectives on Computational Modeling (Graduate-level)  
Prof. Philip Waggoner (University of Chicago)

Winter 2020

- Applied Regression Analysis (MBA-level)  
Prof. Panos Toulis (University of Chicago Booth School of Business)

Autumn 2018

## CONFERENCE PARTICIPATION

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2019 Vithala R. Rao Celebratory Marketing Symposium

*Chicago, IL*

2019 Quantitative Marketing and Structural Econometrics Workshop

*Evanston, IL*

2019 Econometric Society Summer School in Dynamic Structural Econometrics

*Chicago, IL*

2019 3rd Conference on Dynamic Structural Models

*Chicago, IL*

2018 15th Jordan River Economics Conference (presenter)

*Bloomington, IN*

## AWARDS

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Social Sciences Academic Scholarship (\$60k), University of Chicago

*2018-2020*

Undergraduate Research Grant, Indiana University Bloomington

*2017*

Omicron Delta Epsilon (Economics Honor Society)

*2016*

### **Business and Economics**

Mathematical Methods in Economics (PhD Math Camp)  
Foundations of Advanced Quantitative Marketing  
Digital and Algorithmic Marketing  
Algorithmic Marketing Lab  
Behavioral Economics  
Behavioral Science Research Methods in Marketing  
Perspectives on Computational Analysis  
Perspectives on Computational Modeling for Economics  
Perspectives on Computational Research for Economics  
Econometric Theory and Practice  
Micro-Econometrics  
Financial Econometrics  
Computational Methods in Macroeconomics

*Kai-Hao Yang*  
*Pradeep Chintagunta*  
*Sanjog Misra*  
*Sanjog Misra*  
*Devin Pope*  
*Oleg Urminsky*  
*Richard Evans*  
*Richard Evans*  
*Richard Evans*  
*Juan Carlos Escanciano*  
*Ke-li Xu*  
*Ke-li Xu*  
*Amanda Michaud*

### **Data Analysis Skills**

Python Programming  
Spatial Data Science  
Survey Research Methodology  
Computational Linguistics  
Big Data  
Unsupervised Machine Learning  
Network Analysis  
Causal Inference  
Computational Content Analysis

*Ronald Rahaman*  
*Luc Anselin*  
*Michael Davern*  
*John Goldsmith*  
*Matthew Wachs*  
*Philip Waggoner*  
*John Padgett*  
*Kazuo Yamaguchi & Guanglei Hong*  
*James Evans*