LI LIU

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LinkedIn | Portfolio | GitHub

PROFILE

- **Career Interests**: Data-driven Policy Analysis, Program Evaluation, Statistical Modeling
- **Programming Languages**: 2-year Python & R & SQL experience
- **Software & Tools**: Proficient in Microsoft Excel, Git, Tableau

EDUCATION

THE UNIVERSITY OF CHICAGO Chicago, IL
Master of Arts in Computational Social Science (Track: Economics), GPA: 3.9 (Expected) Jun 2020

- Awards: Social Science Division Academic Scholarship ($60k)
- Selected Coursework: Computational Modeling and Research, Machine Learning, Quantitative Marketing, Causal Inference, Computational Linguistics, Behavioral Economics, Survey Research Methodology, Mathematical Methods In Economics

INDIANA UNIVERSITY Bloomington, IN
Bachelor of Science in Applied Mathematics & Bachelor of Arts in Economics, GPA: 3.6 May 2018

- Awards: Undergraduate Research Grant ($1k), Dean's List, Omicron Delta Epsilon (Economics Honor Society)
- Selected Coursework: Applied Econometrics, Computational Macroeconomics, Financial Econometrics, Numerical Analysis

EXPERIENCE

THE UNIVERSITY OF CHICAGO Chicago, IL
Teaching Assistant - Computational Social Science M.A. Program Jan - Mar 2020

- Mentored students during office hours and graded weekly assignments in Python/R for Computational Modeling course
- Led 4 lab sessions on reviewing the concepts, answering questions, and implementing the statistical models in R
- Initiated and maintained a password-protected Shiny web app in R for 40 students to easily check grades and feedback

Student Researcher - Open Source Economics Laboratory Boot Camp Jul - Aug 2019

- Collaborated with other 25 graduate students from top universities to code daily assignments in computational economics
- Learned computational and modeling skills in Python for dynamic economic research and policy analysis

Data Analytics Assistant - Harris School of Public Policy Jan - May 2019

- Introduced the linear sum optimization algorithm to improve the matching results of the Alumni Connect program by 10%
- Researched on modeling graduates' career outcomes and designed the project of predicting outcomes from students' surveys
- Collected information on potential donors for the Harris school by scraping and documenting web data in Python

PROJECTS

Are Verified Online Reviews on Amazon More Trustworthy? Jan - Mar 2020
Estimated the causal effect of the verified purchase label on gaining other customers' trust for selected products reviews on Amazon by topic modeling and propensity score matching

Preference-Based Recommendation System for Groups Jan - Mar 2020
Invented a ranking model to recommend the fittest restaurants for a group of customers with different preferences from Yelp data by text mining and random forest algorithm

Improving Self-Marketing Approaches in Online Dating Oct - Dec 2019
Conceptualized a new algorithm for scoring and improving users' self-introductions on OkCupid using clustering and topic models

Monitoring Developers' Online Behavior on Stack Overflow Apr - Jun 2019
Developed the visualizations for Stack Overflow to monitor the trends of programming languages' popularity and users' sentiments

LEADERSHIP

- **Team Leader, Harris School of Public Policy Hackathon** (Nov 2019 - Jan 2020): Directed a team of 5 to design and develop a social media platform for students to share their class projects concisely with peers and potential employers; presented the project for 100+ participants and Harris staff; won the best idea award among 13 teams at the hackathon
- **Social Activities Chair, Social Sciences Graduate Student Activities Committee** (Oct 2019 - present): Managed a $7k budget to organize and lead monthly social events for 80 students in the program; collaborated with other programs to host events
- **Vice President, Chinese Calligraphy Club at Indiana University** (Dec 2015 - Dec 2016): Launched the new website and marketing campaigns for promoting the events; increased the number of weekly workshop participants by 20%