

Sophie Jiarui Wang

University of Chicago, Division of the Social Sciences

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RESEARCH INTERESTS

Algorithms; Judgements and Decision; Social Psychology

EDUCATION

University of Chicago

MA in Computational Social Science, Expected June 2023

Thesis: How Consumers Perceive Biased Humans and Biased Algorithms: Evidence from Healthcare; Advisor: Berkeley J. Dietvorst

University of Colorado, Denver

BA in Economics, May 2021

BA in History, May 2021

London School of Economics and Political Science

Summer Program in Marketing, July 2018

RESEARCH EXPERIENCE

University of Chicago, Booth School of Business, Chicago, IL

Research Assistant, Center for Applied Artificial Intelligence, Dr. Sendhil Mullainathan, October 2021-present

- Natural Language Processing Project: Misarticulation (with Rafael Batista)
- Deep Learning Project: Generate more rigorous hypotheses

Tsinghua University, Department of Political Science, Beijing, China

Research Assistant, June 2021 – August 2021

- Conducted literature review on citizenship and urban politics.
- Analyzed the theoretical framework and wrote reports.
- Developed instructions for an interactive R tutorial on GitHub.

University of Colorado, Department of Economics, Denver, CO

Research Assistant, May 2020 – July 2020

- Designed a network analysis in Python.
- Collected financial data from SEC filings of all Corporate Directors of S&P 500 companies.
- Evaluated key network measures and visualized a directed Force Atlas layout network graph using Gephi.

University of Colorado, Department of History, Denver, CO

Undergraduate Researcher, Independent Research Study, September 2019 – June 2020

- Designed independent research project examining nationalism in Hong Kong using tax analysis and sentiment analysis.
- Utilized Python to perform data scraping.

PROFESSIONAL EXPERIENCE

U.N. Economic and Social Commission for Asia and the Pacific Bangkok, Thailand

Economic Affairs Intern, Information Communication Technology & Disaster Risk Reduction Division, July 2020 -December 2020

- Conducted research on the digital technology response of Asia-Pacific member states to COVID-19.
- Developed a novel e-resilience index to measure digital performance across the regions and built the illustrative table for a UNESCAP working paper on e-resilience and pandemic recovery.
- Produced data analytics on the affordability of internet in country groupings on sub-regional and income levels.
- Wrote policy memos on: Policy Implications of Meaningful Connection, Harnessing blockchain for Sustainable Development: Prospects and Challenges, Mastering E-resilience Toolkit through Institutional Challenges, and Understanding E-resilience for Pandemic Recovery in Asia and the Pacific (contributed to working paper of UNESCAP).

China Dragon Securities, Investment Banking Department Beijing, China

Finance Intern, July 2018 – August 2018

- Categorized information according to structure of prospectus; Composed a 24-page analytical report about listed companies using data derived from Wind Information.
- Analyzed direction of private equity placements and the merger and reorganization of enterprise events in the Chinese A-share market.
- Wrote case study analyzing five computational approaches of the scale of raised funds supplemented to working capital evaluating their accuracy.

Great Wall Glory Securities, Business Department, Beijing, China

Business Intern, June 2017- August 2017

- Assisted consultants on behalf of investors for market quotes and facilitated transactions.
- Offered investment suggestions and market analysis and developed a rapport with new customers.
- Collaborated with business directors and investment advisors to manage client relationships and handle client inquiries.

TEACHING EXPERIENCE

University of Colorado, Department of Economics, Denver, CO

Teaching Assistant, August 2019 – May 2021

- Provided students with timely feedback on their homework and tests and responded to their questions and concerns via Canvas and emails; Liaised between students and instructors regarding teaching methods, course material issues, and identified creative and equitable solutions.
- Provided instructional support on the following courses:
 - Introduction to Macroeconomics (Fall 2019, Spring 2021)
 - Statistics and Computer Applications (Fall 2019, Fall 2020)
 - Industrial Organization (Spring 2020)
 - Game Theory Economic Applications (Spring 2021)

HONORS AND AWARDS

Phoenix Research Award Scholarship, University of Chicago, 2021

MA Thesis Research Grant, University of Chicago, 2021

Academic Excellence Award, University of Colorado, Denver, 2019

PUBLICATIONS

Wang, Sophie Jiarui. (2020). “A Tale of Two Identities: Analyzing One Country Two Systems in the Age of Social Media.” *Michigan Journal of Political Science*, 2020 Fall, 41-56. <https://doi.org/10.5281/zenodo.6607781>

SKILLS

- Analysis & Programming: R, STATA, Python
- Application: Gephi, Git (GitHub), Markdown, MS Office, Wind, Basic SQL, LATEX
- Languages: Mandarin Chinese (Native); Cantonese (Fluent); English (Fluent); French (Basic)

REFERENCES

Sendhil Mullainathan

Roman Family University Professor of Computation and Behavioral Science, University of Chicago Booth School of Business
 sendhil@chicagobooth.edu

Berkeley J. Dietvorst

Associate Professor of Marketing, University of Chicago Booth School of Business
 berkeley.dietvorst@chicagobooth.edu

Sanja Miklin

Assistant Instructional Professor in Computational Social Science, University of Chicago
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