Shan He

Department of Economics, University of Illinois at Urbana-Champaign

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EDUCATION BACKGROUND

University of Illinois at Urbana-Champaign (UIUC)   **Aug. 2017 - Present**
Ph.D. Candidate in Economics

University of Illinois at Urbana-Champaign (UIUC)   **Aug. 2016 - May. 2017**
M.S. in Economics

South China University of Technology   **Sept. 2012 - June. 2016**
B.A. in Economics

RESEARCH INTERESTS

Primary fields: Public Economics; Environmental and Energy Economics
Secondary fields: Empirical Industrial Organization; Applied Econometrics

RESEARCH IN PROGRESS

Firm Scope and Business Stealing in WA's Privatized Liquor Market (third year paper)

The Effect of Liquor Deregulation on Alcohol Demand and Tax Revenues

Supermarket Pricing and Market Power: Liquor Introduction into a Privatized Market

Second Best Optimal "Green Design" in the Circular Economy (with Don Fullerton)

Economic Analysis of Policies for a Circular Economy (with Don Fullerton)

Current State of the Circular Economy (interdisciplinary work)

RESEARCH EXPERIENCE

University of Illinois at Urbana-Champaign (UIUC)   **Aug. 2019-Present**
Research assistant for Professor Don Fullerton

- Work on NSF collaborative research project: "Convergence around the Circular Economy".
- Build a new, analytical general equilibrium model that incorporates behavior by actors in all markets as well as theories from psychology and anthropology of non-optimizing behavior.

University of Illinois at Urbana-Champaign (UIUC)   **Jan. 2019-May. 2019**
Research assistant for Visiting Professor Ziyi Qiu

- Dived into applied econometrics methodologies: differences in differences, regression discontinuity, IV, propensity score matching.

South China University of Technology   **Feb. 2015**
Team leader of the project "A new method for eradicating Ebola virus (MCM)"

- Modeled earth as a two-dimensional plane domain covered by grids, and built the simulation model of Ebola virus' transmission with the method of cellular automation in C++.
- Built a network of drug delivery on the simulated model and calculated the range of curability.

TEACHING EXPERIENCE

ECON302 Intermediate Microeconomics   **Jan. 2020-May. 2020**
Teaching Assistant

ECON102 Microeconomics Principles   **Aug. 2019-Dec. 2019**
Teaching Assistant

ECON 535 Microeconomics for Business   **Aug. 2016-May. 2017**
Teaching Assistant

WORK EXPERIENCE

MassMutual Asia Ltd., Hong Kong   **June. 2013-Aug. 2013**
Marketing Intern
- Assisted the marketing staff to expand business of Asia-Pacific Markets, wrote the marketing report for Universal Life.
- Completed a data research on the investment funds industry within 72 hours, wrote a statement of product positioning and built a matrix model.
- Assisted the department manager to do market surveys; conducted questionnaire investigation on reliability and validity of product among 120 clients who bought the MassMutual insurance products.

TECHNICAL STRENGTH

Latex (advanced), STATA (advanced), MATLAB (intermediate), R (intermediate), Python (basic), C++ (basic).

AWARDS & HONORS

Member of Phi Kappa Phi Honor Society, rank top 10%   *May. 2018*

Honorable Mention in Mathematical Contest in Modeling, COMAP   *Feb. 2015*