

# Shan Jiang

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## Shan in A Nutshell

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- Trained rigorously in Sociological Theory & Quantitative Methods.
- Currently doing part-time research in **Health Policy Center @ Columbia**.
- Interested in **Social Network Analysis**, **Health inequality** & **Political engagements**.

## EDUCATION

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**Mailman School of Public Health, Columbia University**

*M.S. in Biostatistics (Theory and Methods Track)*

**New York, NY**

*Aug 2018 - May 2020*

**Johns Hopkins University**

*Exchange 2016 Fall (Funded)*

**Baltimore, MD**

*Aug 2016 – Dec 2016*

**Central University of Finance and Economics**

*B.A. in Sociology (Minor in Economics)*

**Beijing, China**

*Sep 2014 – Jul 2018*

## PROJECTS

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For detailed description of all my projects, refer the link: 📄 <https://shanj.tk>

- **Enforcement Evaluation of Nurse Practitioners Act in NY State Center for Health Policy Research, Columbia University** (NCSBN funded) May 2019 - Now  
Responsible for data validation and collapse, merge macro American Community Survey data with microscope SKA data in STATA.
- **Bangladesh Domestic Migrants living Condition Analysis Evidence from DHS and MOP Data** (USAID funded, supervised by prof.Yao Lu) Jun - Aug 2019  
Independently wrote STATA code for data cleaning, hypothesis testing(ANOVA, Chi-2 Test, T test), and visualization in R.  
Formulated research questions with prof.Yao and finalizing detailed report for living condition comparison for Bangladesh Domestic Migrants.
- **Energy Insecurity Index Instrument Construction** Feb 2019 - Now  
**Department of Social-Medical Sciences, Columbia University**  
(Co-author with prof. Diana Hernandez) Conduct PCA, Factor Analysis and fit multidimensional Rasch model for item reduction in Survey Analysis
- **Policy communication analysis from 100 sites network study in China** Apr 2019  
(Research Assistance for Ph.D Chao Zhang in Tsing Hua University)  
Data visualization and regression analysis for Sampled 100 cities' data from China, responsible for drawing network graph in Gephi.
- **P8105: 2018 Data Science Job Outlook based on text mining on Indeed** Nov - Dec 2018  
Data visualization, flex-dashboard presentation and text analysis, draws from data scraped and cleaned from Indeed website, containing 7,000 data scientist jobs around the U.S. by August, 2018.  
(Link 📄)

- **Team leader and surveyor, China Health and Retirement Longitudinal Study**  
**Social Science Institute, Peking University** Mar - June 2017  
 Received rigorous training in survey design and inquiry skills  
 Collected questionnaire data from over 3,000 household in an assigned sample unit in Beijing

## PROFESSIONAL SERVICES

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**Assistant Student Worker, Office of Career Services**  
 Mailman school of Public Health, **Columbia University** June - Aug 2019  
 Completed five small projects concerning identifying openings on fellowships, internships. Prepared logistics for on-site recruitment event and coordinate virtual workshop with students

**Consultant Intern, Global Growth Organization**  
**General Electricity(GE), Beijing, China** Aug - Jan 2018  
 Independently performed focus-group interview with 2017 weight-loss program cohort  
 Designed and validated questionnaire for evaluating satisfaction on healthcare benefits within GE  
 Performed high-quality analytical reports and fancy slides, flyers posters for meetings and workshops

## TECHNICAL SKILLS

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- **Python** [Spyder and Jupyter IDE] , **R** [fluent]
- **MySQL, SPSS, SAS, STATA** [fluent]
- **HTML, Markdown, LaTeX**[fluent]
- **Gephi, Tableau, MPLUS, ConQuest** [good]

## AWARDS

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**Dean's List, Dept. of Sociology, Central University of Finance and Economics** 2014-2018  
 ○ Merit-based, awarded to top 1% student

**Academic Excellence scholarship, Central University of Finance and Economics** 2017  
 ○ Awarded for field-trip study in winter 2017

**Study-Abroad Scholarship, Central University of Finance and Economics** 2016  
 ○ Awarded for fall-term exchange studies.