SHAN JIANG

Department of Biostatistics   http://shanj.tk

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EDUCATION

Mailman School of Public Health, Columbia University   New York, NY
M.S.in Biostatistics (Theory and Methods Track)
Expected May, 2020   *Overall GPA: 3.86/4.00*

Central University of Finance and Economics   Beijing, China
B.A. in Sociology (With a minor in Economics)
Sep 2014 - Jul 2018   *Overall GPA: 3.91/4.00*

Johns Hopkins University   Baltimore, MD
Exchange student
Aug - Dec 2016

TECHNICAL STRENGTHS

Computer Languages	Python, R, SPSS, SAS, STATA
Software & Tools	Gephi, Tableau, HTML, LaTeX, MPLUS, ConQuest

RESEARCH PROJECTS

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.

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

Bangladesh Domestic Migrants living Condition Analysis Evidence from DHS and MOP Data *(USAID funded, supervised by prof.Yao Lu)*   Jun - Aug 2019
Independently write STATA code for data cleaning and management, hypothesis testing.
Formulating research questions with prof.Yao and finalizing detailed report for living condition comparison for Bangladesh Domestic Migrants

Insights into Social Unrest in post-2000s China: perspective from village-level data
Department of Sociology, Columbia University   Jun 2019 - Now
(Research Assistant for prof. Yao Lu)

Social Network Visualization: draws from 100 cities and provinces in China
(Research Assistance for Ph.D Chao Zhang in Tsing Hua University)   Apr 2019
Data visualization and regression analysis for Sampled 100 cities' data from China, responsible for drawing network graph in Gephi.

Application: Data Science Job outlook through Text mining in R
P8105 Data Science Final Team Project 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 3rd, 2018. *(Link here)*

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 EXPERIENCE

Assistant student worker, Office of Career Services
Mailman school of Public Health, New York City June - Aug 2019
Complete five small projects concerning identifying openings on fellowships, internships
Assisted on editing on Career handbook and job postings on Gradleaders
Managed the Mailman email-box and carried out effective and reliable reply
Prepare 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
Responsible for initiating weekly market and policy updates newsletter in 12-people team
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

Human Resources Business Partner Intern
Baidu inc., Beijing China Mar - Jun 2016
Participated in providing HR policy guidance and interpretation on insurance & benefits
Assisted on signing contract terms for new hires, promotions and transfers
Monitored training programs and helped with monthly workshops
Implemented salary calculations for 260+ interns each month using Vlook-up & pivotal tables

ACADEMIC ACHIEVEMENTS

Dean's List, Ranked in the School-wide Top 1%, Dept. of Sociology
First-class Scholarship/Study Abroad Scholarship, Central University of Finance and Economics

RELEVANT COURSES

Methods, Statistics	**Sociology, Economics**
Clinical Trial Methodology	Migration and Development
Data Science	Principles of Economics
Natural Language Processing	Organizational Sociology
Latent Variable & Structural Equation Modelling	Intermediate Micro-Economics Theory
Probability	Introduction to Finance
Biostatistical Methods I, II	Medical Sociology