Yijiao **Liu**

Applied Microeconomist, Click here for the Newest Résumé

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Summary

Ph.D. candidate trained in Economics, with strong organization and communication skills developed from 12 semesters of teaching experience, and ability to lead research programs independently or work as part of a team. Particular expertise in the following areas:

- Data Analysis
- Construction of Large Datasets
- Economic Modeling
- Statistical Programming
- Policy Analysis
- Geocoding
- Regression Analysis
- Qualitative Research

Research Experience

Stony Brook University — *Stony Brook, NY*

Ph.D. Candidate — *Expected May. 2019*

- Constructed a novel comprehensive geocoded village-level spatial data set with accurate census data and administrative hierarchy info. of China
- Quantified the impact of the reform of an institutional tool–*hukou*–on migration inflows to various Chinese urban centers with large data sets
- Computed a discrete choice (conditional logit) model based on a 469 location alternatives by 11783 individual cases data set
- Forecasted the urbanization progress under the different policies of *hukou* reforms, and extended practical policies on urbanization acceleration
- Presented *'How Will hukou Reform Affect the City System in China?'* at
  - 2018 Southern Economic Association Conference
  - 2019 AEA Poster Session

Mortality Section, Population Division, DESA, United Nations — *New York City*

Full-Time Intern — *Aug. 2017 - Nov. 2017*

- Assisted with research and data management using the DHS data from developing and developed countries
- Developed R packages to standardize novel computational methods of fertility rates
- Collaborated in the development and testing of new statistical methods, evaluated quality, and corrected errors of the DHS data sets

Research Foundation in CUNY — *Changchun, China*

Consultant — *Summer 2015*

- Established a geographic census dataset of a county-level division to distinguish urban and rural population for each city-proper in China
- Constructed a yearly-consistent coding system with zip code cross-walks for county-level administrative units in China

Jilin University — *Changchun, China*

Project Leader, China National Innovation Plan for Undergraduates — *Feb. 2010 - May. 2011*

- Led a Project 'The Development of the Theory of the Dual Labor Market in China' with members from Economics, Mathematics, and Law School
- Received research fund of 12,000 RMB from the Ministry of Education of China and Ping An Insurance (Group) Company of China, Ltd.
- Published 'The Analysis of the Structure of the China's Labor Market' in Business Research Journal, and won the National Ping An Paper Award

Leadership Experience

Stony Brook University — *Stony Brook, NY*

Instructor — *Jul. 2015 - Present*

- Taught and designed 12 sections for undergraduates in both traditional and on-line courses
  - Urban Economics
  - Economic Development
  - Demographic Economics
  - Mathematical Statistics
  - Intermediate Macroeconomics
  - Intermediate Microeconomics
- Held weekly office hours and graded homework assignments for a class of around 70 students
- Conducted group projects for students from diverse backgrounds to enhance the communication, presentation and technical skills
- Advised 500+ students on learning strategies, course materials, research design, and extracurricular opportunities
- Received excellent teaching evaluations in field courses (4.7/5)
- Awarded the 2017 Summer Online Teaching Initiative by Office of the Provost for online class *Urban Economics*

Game Theory Center of Stony Brook University — *Stony Brook, NY*

Organizer — *Jul. 2016 & Jul. 2017*

- Worked in a team to organize the 27th & 28th International Game Theory Conference and Workshops with 300+ participants, including registration, a guide to local services and amenities, and catering for the conference

Carnegie Hall — *New York City*

Music Ambassador — *Sep. 2015 – Mar. 2016*

- Assisted visitors and music lovers from all over the world with getting information of concerts and amenities to enhance their tourism experience

Skills

Programming	Python, R, Stata on Windows/Unix
Other Packages	QGIS, HTML, Maps APIs Webservices, SQL, LaTeX, LyX, MS Office, Cloud computation
Languages	Fluent in English, Native in Chinese

Education

Stony Brook University — *Stony Brook, NY*

Ph.D. candidate in Economics, GPA 3.5 — *Expected May. 2019*

- Tuition Scholarship and Graduate Assistantship

Jilin University — *Changchun, China*

B.A. in Economics National Base Class, GPA 3.5 — *Aug. 2008 - Jun. 2012*

- Student Achievement Award of the School of Economics
- Scholarship to the School of Economics