

Yidan Jin

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Education

Georgetown University, Washington, D.C.

Ph.D., Economics

Expected May 2020

Research Fields: International Trade, Applied Microeconometrics

Master, Economics

Dec. 2016

Cumulative GPA: 3.72/4.00

Smith College, Northampton, MA

B.A., Economics and Mathematics

Dec. 2014

Cumulative GPA: 3.96/4.00

Magna Cum Laude, Phi Beta Kappa, First Group Scholar, on Dean's List for all semesters

Work Experience

Research Assistant

Georgetown University McDonough School of Business, Washington, DC

Dec. 2018–Present

- Undertook data manipulation, visualization, and analysis of data from IPUMS survey from 1960s to 2017 about telecommuting and telework
- Assisted Prof. Ferdinando Monte with literature review and econometric models to identify deterministic factors affecting the work from home rate

Research Consultant

International Monetary Fund, Washington, DC

Jan. 2018–Aug. 2018

- Compiled comprehensive data on the US industry level vintage capital usage from 1958 to 2016
- Reviewed project documents and collected relevant data related to the embodied technological progress and investment in vintage capital
- Assisted Dr. Sophia Chen building a macroeconomics growth model on the expenditure composition on capitals and used General Method of Moments to estimate dynamic macro models

Intern

Women and Financial Independence (WFI) Office, Northampton, MA

May 2014–Dec. 2014

- Developed linear and logistic regression models to predict probability of financial behaviors and attitudes using survey data collected by the office
- Employed latent class analysis in R to analyze financial literacy and demographic factors
- Used Factor Analysis to group factors of financial attitudes and examined correlations between latent classes and factor groups

Research Experience

Work in Progress

- “Special Economic Zones with Heterogeneous Firms and the Welfare Implication”
- “Seizing Research Opportunities: Does Gender Make a Difference?” (with Dongbo Guo)
- “Trade Policy Change and Employment Informality in India” (with Rubina Verma)
- “Technology and Investment: Spillover Effect of Special Economic Zones” (with Yang Liu)

Special Studies

Income Inequality and Financial Market Participation: Rural and Urban China

Department of Economics, Smith College, Northampton, MA

Sept. 2014–Dec. 2014

- Published in Volume 3 of Massachusetts Undergraduate Journal of Economics (MUJE) 2015
- Performed linear and logistic regression of labor income and household financial market participation; used index of dissimilarity and regression decomposition technique to test urban and rural income inequality gap
- Examined factor contributing to urban-rural inequality and offered recommendations including improving methods for human capital and availability of rural financial services

Summer Research Fellow/Special Studies

Geometry of Ecological Arms Race Between Crabs and Snails

Department of Mathematics and Statistics, Smith College, Northampton, MA May 2013–May 2014

- Developed Mathematica programs to model geometry of ecological arms race between crabs and snails and perform image analyses and data collection of snails
- Created programs to parameterize the snail shell and conducted principal component analysis on shapes of high spiral snail shells
- Employed multivariable optimization to study *Snail Shell Self-Similarity* and confirmed that optimal shell shape is obtained when there is self-similarity
- Presented research findings on the 20th Annual Hudson River Undergraduate Mathematics Conference in 2014

Other Experience

Teaching Experience

Georgetown University, Washington, D.C.

Sept. 2016–Present

- Instructor for International Finance and delivered 3-hour self-designed lectures four times a week in summer school
- Teaching assistant for International Finance, International Trade and Intermediate Macroeconomics

ViaX Online Education

Beijing, China

May. 2018–Present

- Instructor and teaching assistant for Economic research classes
- Coordinated with multiple departments to manage existing and potential students

Master Class of Economics Department

Machine Learning for Treatment Effects and Structural Equation Models

Georgetown University, Georgetown, DC

Sept. 2016

- Learned and reproduce modern high-dimensional function fitting methods for efficient estimation on treatment effects and structural parameters in empirical economic models with R-code

Intern Assistant Auditor

Baker Tilly China, Beijing, China

May 2012–Jul. 2012

- Helped finish auditing project of *China Mobile Campus Promotion*: reviewed and analyzed company asset accounts, inventory, and development of auditing working papers

Skills

Language

Mandarin – Native, Korean – Conversational

Computer

R, Stata, MATLAB, Python, Mathematica, SQL, SAS, LaTeX, Photoshop

Fellowship and Membership

Georgetown University Graduate Fellowship 2015-2016

Georgetown University Teaching Assistantship 2016-2018

American Statistical Association