Zhizhong "ZZ" Pu

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Education

B.A. Economics (Minor: Mathematics), Middlebury College, Aug 2020 - Feb 2024

-GPA: 4.0 / 4.0

-Honors Thesis: "Human Capital Response to Import Competition" [Draft]

-Economics Courses (Ongoing*): Grad Econometrics (supervised reading), Empirical Research Methods, Intermediate Micro & Macro, Game Theory, Economic Statistics, Economics of Africa, Econ Dev in Latin America*

-Math Coursework: Real Analysis, Multivariable Calculus, Linear Algebra, ODEs, Number Theory

-Statistics Coursework: Bayesian Statistics*, Statistical Inference, Statistical Learning

-Technical Coursework: Intro Data Science (R), Intro Computer Science (Python)

Visiting Undergraduate Student, Harvard College, Aug 2022 - Dec 2022

-GPA: 4.0 / 4.0

-Courses: Grad Micro Theory I (ECON2020A, HKS), Real Analysis, Convexity & Optimization (MATH116), Probability (STAT110)

International Baccalaureate Diploma, United World College Thailand, Aug 2017 - May 2019

Work in Progress

"Venture Capital: Start-up Founders and Early Leadership Hires" with Paul Gompers and Will Levinson

"Solutions to Bruce Hansen's *Econometrics*" [Github Repo]

Research Assistant Experiences

PI: Paul Gompers, Harvard Business School   Jun - Dec 2022

Project: Intercollegiate Athletes: Career Preferences & Progression

- Scraped online résumé data using Python, cleaned large résumé data using R

- Produced regression tables, summary statistics, and data visualizations for weekly presentation in R

- Wrangled large ($n > 2$ million) dataset using Unix commands on HBS's computer clusters

- Attended PRIMO fellowship & H-SURV programs, including weekly HBS research talks & professional development workshops

PI: David Yang and Melissa Dell, Harvard Economics Department   Sep - Dec 2022

Project: Various Projects (SUPER Fellowship)

- Gathered data on firms around the world in Shanghai International Settlement in 1930s

- Created and improved shapefiles using ArcGIS

- Labeled data in Python environment to improve ML-based OCR algorithms

PI: Akhil Rao, Middlebury College   Sep 2021 - Apr 2022

Project: Geostationary Belt Valuation

- Cleaned and fuzzy-matched data using R to build a panel dataset of satellites

- Produced summary statistics and data visualizations using R for weekly presentation

PI: Anywhere Sikochi, Harvard Business School   Jan - Feb 2022

Project: International Presence of U.S. Credit Rating Agencies

- Cleaned data and built a panel data of firms around the world using Stata & R

- Executed Staggered DiD analysis and produced regression tables using Stata

- Automated extraction of credit ratings from PDF reports using Python

PI: Scott Rozelle and Yiwei Qian, Stanford University   Jun - Aug 2021

Project: Early Childhood Development

- Conducted literature review, compared findings to prior research, and hypothesized reasons for disparities
- Wrote Methods and Discussion sections of the paper's first draft
- Presented findings to academic and non-academic audience

Publication

"What makes a strong home language environment? Evidence from rural and peri-urban communities in China" *Revise and Resubmit - PLOS One*, with Xinwu Zhang, Yue Ma, Yiwei Qian, Lucy Pappas, Sally H. Zhu, Terry D. Shao, Andre Chen, Elaina Mofan Qiu, Sarah-Eve Dill, Flávio Cunha, Scott Rozelle

Programming Skills

R (advanced), Stata (intermediate), Python (intermediate), QGIS (intermediate), LaTeX (intermediate), Matlab (familiar), ArcGIS (familiar), SQL (familiar)

Languages

Mandarin (fluent), French (intermediate), Japanese (beginner)

Honors and Awards

William Lowell Putnam Mathematical Competition 635th/2975 (Top 21%)	2021
College Scholar, Middlebury College	2020 - 2023
UWC Davis Scholar, Middlebury College	2020
Semester at Sea Davis Scholar, Institute of Shipboard Education	2019

Teaching Experiences

Liberal Arts Initiative Summer Seminars, Amherst College   Mar 2019 - Aug 2021

Teaching Assistant & Program Organizer

- TA-ed for Professor Ellen Boucher's seminar *The French Revolution* in 2019 and Professor Catherine Sanderson's seminar *Positive Psychology* in 2021

Professional Service

Student Advisory Committee Member, Middlebury College Economics Department (2022 -)

Last updated: Sep 2023