

Allen Hardiman

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EDUCATION

University of Illinois at Urbana-Champaign

Doctor of Philosophy, Economics

Master of Science, Economics

Bachelor of Arts, Economics

Expected: May 2024

December 2021

May 2018

FIELDS OF CONCENTRATION

Health Economics, Labor Economics, Applied Econometrics

WORKING PAPERS & WORK IN PROGRESS

- “The Effect of Public Health Insurance on Individual Consumption: Evidence from Medicaid Expansion.” (Job Market Paper)
- “Gendered Responsibilities, Elderly Care, and Labor Supply: Evidence from Four Countries.” (with Roberta Gatti, Daniel Halim, and Shuqiao Sun)
- “Labor Markets and Childbirth: New Evidence from European Countries.” (with Wilfried Adohinzin, Marieke Kleemans, and Rebecca Thornton) (Work In Progress)
- “The Impact of Weather Shocks on Crime: Evidence From Indonesia.” (Work In Progress)

PROFESSIONAL EXPERIENCE

EquipmentShare

June 2023 – August 2023

Data Scientist Intern

- Develop a new rental pricing model using Python and SQL to optimize the rental pricing process for a fleet of 90,000 rental equipment units
- Identify 5,000 equipment units with underpriced rates, paving the way for substantial cost savings and improved profitability
- Collaborate with cross-functional teams to design future experiments and A/B testing initiatives

World Bank Group

March 2022 – January 2023

Consultant

- Led two projects analyzing COVID-19's disparate effects on poverty outcomes and labor market status for men and women by synthesizing large secondary datasets of 3 million individuals
- Spearheaded the data cleaning and econometric analysis process for a collaborative research paper exploring the impact of long-term parental care on male and female labor force participation in four countries
- Developed project plans and project tracking through weekly meetings to ensure the timely completion of project milestones

Illinois Business Consulting

August 2019 – December 2019; August 2021 – December 2021

Consultant

- Designed a high-level agricultural traceability solution software architecture to minimize crop quality degradation for a non-profit industry client
- Collaborated in a team of seven individuals to analyze market entry challenges and deliver applicable solutions for a real estate industry client

University of Illinois at Urbana-Champaign

May 2021 – August 2021

Graduate Research Assistant, Advisor: Prof. Jeremy McClane

- Utilized Stata and R to perform data cleaning and statistical analyses to study the impact of COVID-19 pandemic on approximately 900 small businesses in the state of Illinois
- Applied machine learning techniques such as Principal Component Analysis and K-means clustering to gain insights into high-dimensional data and group small businesses based on their most pressing challenges during the pandemic

TEACHING EXPERIENCE

University of Illinois at Urbana-Champaign

August 2019 – Present

Head Graduate Teaching Assistant, Course: Microeconomics Principles

- Instructed classes of 50 students and provide individual tutoring for more than 1,000 undergraduate students

- Managed the communication and decision-making process between the instructor and other teaching assistants

SKILLS

Languages: Python; SQL(SQLAlchemy, PostgreSQL); Stata; R

Tools & Libraries: NumPy; Pandas; Matplotlib; Seaborn; Scikit-learn; Tidyverse; Git; Snowflake

HONORS & AWARDS

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| ▪ UIUC Summer Research Fellowship | 2022 |
| ▪ List of Excellent Teachers | 2021, 2023 |
| ▪ UIUC Department of Economics Fellowship | 2018 |
| ▪ Undergraduate Dean's List | 2017, 2018 |

REFERENCES

Mark Borgschulte (Chair)

Assistant Professor of Economics

Department of Economics, UIUC

Email: markborg@illinois.edu

Andrew Garin

Assistant Professor of Economics

Heinz College, Carnegie Mellon University

Email: agarin@andrew.cmu.edu

Julian Reif

Associate Professor of Finance & Economics

Gies College of Business, UIUC

Email: jreif@illinois.edu

WORKING PAPER ABSTRACTS

- “The Effect of Medicaid Expansion On Consumption And Expenditure Of The Near-Elderly.” **(Job Market Paper)**
 - This paper examines the impact of the Affordable Care Act Medicaid expansion on individual consumption by leveraging nationally representative panel data of near-elderly adults in the United States. I take advantage of the panel structure to control for unobservable differences across individuals and to identify individuals who are more likely to be impacted by the expansion ex-ante. Using a difference-in-difference approach, I find that the ACA Medicaid expansion increases total monthly consumption by \$144.13, which is equivalent to a 14.4 percent increase from the pre-expansion mean. This growth in total consumption is driven primarily by a rise in non-durable spending and housing consumption. Additionally, I observe that individuals in expansion states are 3.9 percentage points more likely to be homeowners than those in non-expansion states. These effects are driven by a reduction in out-of-pocket medical spending and an improvement in financial well-being.
- “Gendered Responsibilities, Elderly Care, and Labor Supply: Evidence from Four Countries.” (with Roberta Gatti, Daniel Halim, and Shuqiao Sun)
 - This paper explores the relationship between providing care for older parents/parents-in-law and labor supply among men and women ages 40 to 59 in Colombia, Indonesia, and Poland. We also investigate the relationship between an individual's parents' disability status and labor supply in Egypt. Overall, we find that providing care to older parents is associated with a significant reduction in the probability of employment, weekly hours worked, and annual earnings. This decline is significantly larger among women than men and among intensive caregivers, those who provide care for more than 10 hours per week. We find substantial heterogeneity across countries, with a significant decline in employment being the largest in Poland and Colombia for both women and men. We observe that men in Indonesia who provide care experience a large decline in work hours and annual earnings, driven by their transition to casual employment. In Egypt, we find that the labor supply for men and women is not affected by the presence of disabled parents/parents-in-law in the household.