Allen Hardiman

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EDUCATION

University of Illinois at Urbana-Champaign   Champaign, IL
Doctor of Philosophy, Economics   **Expected: May 2024**
Research Interests: Health Economics and Labor Economics

Master of Science, Economics   **December 2021**
Bachelor of Arts, Economics   **May 2018**

RESEARCH

- "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)
- "The Impact of Weather Shocks on Crime: Evidence From Indonesia."

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

TECHNICAL SKILLS

Languages: Python; SQL(SQLAlchemy, PostgreSQL); Stata; R
Tools & Libraries: NumPy; Pandas; Matplotlib; Seaborn; Scikit-learn; Tidyverse; Git; Snowflake

HONORS & AWARDS

- 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