

EXECUTIVE SUMMARY

PhD applied microeconomist with expertise in causal inference and data analysis. Extensive experience using public and proprietary data with theory to derive insights into market, firm, regulator, and consumer behavior. Seeking to generate strategic insights through data analysis in consulting, economic strategy, and tech.

EDUCATION

Cornell University | Ithaca, NY

PhD in Applied Economics and Management (AEM)

May 2027

University of Arizona | Tucson, AZ

Master of Science in Applied Economics and Policy Analysis (AEPA)

May 2021

Colby College | Waterville, ME

Bachelor of Arts, Economics (major) and Mathematics (minor)

May 2019

SELECTED PROJECTS

Regulation Impact Assessment and Health Damage Analysis: Outdoor Worker Heat Protection Laws

Developed a quasi-experimental study of the health costs of heat. Incorporated Texan outdoor worker heat protection laws and state run workers' compensation data from the Texas Department of Insurance. Credibly quantified the cost of extreme heat to worker health, productivity, and public finances. **Techniques used to calculate health damages.**

Regulator Enforcement and Firm Compliance: Drinking Water Utility Compliance with Water Contamination Regulation

Developed a causal identification strategy and theoretical model to identify the response of firms and regulators to increases in output contamination. Integrated geospatial, geologic, firm, and regulator response data. Policy **insights transferable to costing and designing regulation.**

Consumer Demand Modeling: Impact of Water Pollution on Recreation and Housing Demand

Estimated demand for water quality across the US. Modeled demand with a combination of house price hedonic and discrete choice recreation demand models using national data of home sale prices, cellphone mobility, and satellite and in situ water quality. Demand modeling **applicable to welfare estimates of product characteristics or defects.**

PROFESSIONAL EXPERIENCE

Cornell University

Ithaca, New York

Graduate Resident Fellow, Carl Becker House

August 2023 – Present

- Mentored, supported, and implemented extracurricular programming for 400 students in university housing.
- Trained staff in student crisis response and organized networking and extracurricular activities.
- Increased resident attendance at events by 25% and reduced student mental health calls by 10%.

Cornell University

Ithaca, New York

Lead Graduate Teaching Assistant: Applied Economics and Management

August 2022 – Present

- Managed five undergraduate TA's for a 200 student intermediate microeconomics class.
- Tasked with maintaining student grades throughout the semester and supporting the instructor.
- Coordinated TA office hours to focus on topics that students struggled with in assignments and exams.

World Bank Group (WBG)

Washington, DC

Consultant, International Development Association

May 2020 – August 2020

- Created a procedure to construct a reliable variable for crop yields from the Living Standards Measurement Study - Integrated Surveys on Agriculture (LSMS-ISA)
- Developed procedure into training document with reproducible code from data download to summary tables.
- Document adopted as a training reference.

TECHNICAL SKILLS

Languages & Tools: Python (advanced), R (advanced), Stata (proficient), SQL, SAS, MATLAB

Quantitative Methods: Time series econometrics, regression analysis, ML, demand modeling, hedonics, spatial modeling

Causal Inference: Difference-in-differences, instrumental variables, regression discontinuity, RCTs