David Wilson

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EDUCATION

Ph.D. Economics, Georgia Institute of Economics	**May 2027***
M.S. Economics, Georgia Institute of Economics	**May 2025**
B.S. Economics, Georgia State University	**May 2022**

RESEARCH INTERESTS

Environmental Economics, Health Economics, Applied Microeconomics, Labor Economics

TEACHING EXPERIENCE

AS GRADUATE TEACHING ASSISTANT
ECON 6110: Corporate Strategy, Spring 2023
ECON 2101: The Global Economy, Spring 2023
ECON 4510: Health Economics, Fall 2022
ECON 4060: Money & Capital Markets, Fall 2022
ECON 3120: Advanced Macroeconomics, Fall 2022

RESEARCH EXPERIENCE

ECONOMIC RESEARCH ANALYST, FEDERAL RESERVE BANK OF ATLANTA, MAY 2024 - PRESENT
"Post-Pandemic Life After Leisure" with Julie Hotchkiss and Melinda Pitts, Spring 2025
"The Role of Social Costs in Response to Labor Market Opportunities" with Julie Hotchkiss, Fall 2024

GRADUATE RESEARCH ASSISTANT, GEORGIA INSTITUTE OF TECHNOLOGY SCHOOL OF ECONOMICS, MAY 2023 – MAY 2024
Environmental Effects of Electric Vehicle Adoption with Dylan Brewer, Spring 2024
United Nations Sustainable Development Goals in Economics Education with Aselia Urmanbetova, Fall 2023
Behavioral Health Economics with Mayra Pineda-Torres, Summer 2023

WORKING PAPERS

"The Capitalization of Flood Risk into Housing Markets"

In recent years, the increasing frequency and severity of natural disasters have intensified concerns about how flood risk is capitalized into housing markets. This paper examines how flood risk interacts with property and neighborhood characteristics to influence housing prices and market liquidity, and whether greater information transparency alters buyer behavior in flood-prone areas. Using over 120 million real estate listings and transactions from 2000 to 2024, combined with FEMA Flood Insurance Rate Maps and property-level climate risk data from First Street Climate, I estimate hedonic pricing models and exploit state-level variation in flood disclosure laws through a difference-in-differences framework. The results show that consumers systematically price flood risk into housing decisions. A one standard deviation increase in locally indexed flood risk reduces closing prices by approximately 2.08%, with inland homebuyers exhibiting greater risk aversion than coastal buyers. The introduction and strengthening of flood disclosure mandates in Mississippi and South Carolina reveal previously obscured risks: properties located in designated flood zones experience statistically significant price discounts and spend more time on the market after disclosure requirements take effect. These effects are further amplified by mandatory flood insurance costs, which meaningfully increase monthly cost of ownership expenses. Overall, the findings demonstrate that flood risk is an economically meaningful attribute in housing markets and that disclosure policies play a critical role in correcting information asymmetries. By improving transparency, flood disclosure laws lead to more accurate pricing of climate risk, with important implications for homeowners, insurers, lenders, and policymakers facing rising climate-related hazards.

"SDG-ing ECON: Enriching Economics Education through UN Sustainable Development Goals and Ethical Perspectives"
    Joint with Aselia Urmanbetova and Ana Mazmishvili. *Working paper, submitted.*

We propose an innovative approach that integrates traditionally excluded topics without incurring significant curriculum redesign costs. Our methodology allows for either single-lesson redesign or program-wide curriculum changes, adaptable for collaboration with instructors, program directors, and graduate teaching assistants. Flexibility is achieved by (1) operationalizing UN SDG learning objectives with Fink's significant learning objectives (human dimension, care, and learning how to learn); (2) developing distinct learning outcomes; and (3) transforming abstract topics into student-focused, content- and value-rich learning objectives and outcomes. To facilitate instructor adoption, we developed a generalized "SDG-ing ECON Template" to convert traditional learning objectives into content- and value-rich lesson plans. We demonstrate the template's effectiveness by transforming standard market failure objectives into a detailed, sustainability-rich, action-oriented learning blueprint. This approach promises non-trivial exposure to sustainability content, targeted literacy, and a value-rich educational experience without overwhelming existing curricula.

WORKS IN PROGRESS

"The Unintended Consequences of California's Solar Mandate"
  Joint with Dylan Brewer

This project analyzes California's statewide solar roof mandate passed in 2019. We collected data on building permits, demographic data, and solar capacity for every US county. We then exploit that heterogeneity within county and between counties by conducting a triple differences estimation comparing changes in construction between California counties and then with other counties across the country. We are also conducting a synthetic difference-in-difference where we weight county characteristics to construct a synthetic counterfactual California as a control group. This allows us to determine a causal relationship between changes in construction and the implementation of the solar mandate.

"Is the Grass Always Greener?"

This paper studies the social costs and benefits of North America's first green roof mandate. In 2009, Toronto passed a green roof mandate for buildings over a certain size. City planners implemented this mandate to reduce the harmful effects of urban development such as the urban heat island effect, loss of biodiversity, and increased stormwater runoff. This project aims to determine if the mandate represents a supply constraint that has exacerbated Canada's housing shortage.

"The Health Impacts of Occupational Health and Environmental Exposure"

For this project, I analyze American service members health data and service history to determine a causal relationship between pollution exposure and adverse health outcomes. I conduct a difference-in-difference approach between those service members who deployed to Southwest Asian combat zones and those who did not. I plan on exploiting the quasirandom treatment that exists between occupational specialties and duty location assignment. I will use this methodology for known medical conditions that are associated with measured pollutants during military operations.

PRESENTATIONS & WORKSHOPS

2024: Conference on Teaching & Research in Economic Education, Southern Economics Association

2025: American Economics Association, Atlanta Federal Reserve Brownbag Series, Atlanta Economics PhD Summer Symposium, Southern Economics Association

SCHOLARSHIP, HONORS, & AWARDS

GEORGIA INSTITUTE OF TECHNOLOGY
School of Economics Graduate Fellowship
Richard House Fellowship
Graduate Student Leadership Award

GEORGIA STATE UNIVERSITY
Zeinah Danielle Aouani Research Scholarship, Georgia State University

PROFESSIONAL ACTIVITIES

ASSOCIATIONS
American Economic Association (AEA), Association of Environmental and Resource Economists (AERE)

ACTIVITIES AND SERVICE
Economics Collaborative in the Atlanta Area Academic Institutions (Eco3AI), Graduate Student Advisor, Georgia Tech
Omicron Delta Epsilon (ODE), Graduate Student Advisor, Georgia Tech
Econ Club, Graduate Student Advisor, Georgia Tech
Student Veterans Association, Undergraduate Student Mentor, Georgia State University

PROFESSIONAL EXPERIENCE

Economics Research Analyst, Federal Reserve Bank of Atlanta, Atlanta GA	2024-Present
Program Manager, United States Air Force, Joint Base San Antonio TX	2016-2018
Unit Deployment & Security Manager, United States Air Force, Joint Base San Antonio TX	2014-2016
Quality Assurance Manager, United States Air Force, Joint Base San Antonio TX	2013-2014
Squad Leader, United States Air Force, Tinkler AFB Oklahoma OK	2009-2013