

Updated August 23, 2022

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## CURRENT

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### MIT Sloan School of Management

Predocutorial Research Associate, Technical Associate

July 2022 – *Present*

- Work with Dr. Joseph Doyle in Applied Economics studying interventions aimed at improving health outcomes, particularly among low-income households.
- Analyze randomized controlled trials (RCTs) performed in the field and in collaboration with external healthcare providers (e.g., Geisinger Medical) specifically targeted at improving patient self-management of Type-II diabetes and increasing uptake of the flu vaccine.
- Regularly write code in Stata to produce graphs and tables used for analysis and manuscripts, with an emphasis on writing clean, procedural code that is easy to change and update.

## EDUCATION

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### Emory University

BA in Economics (*summa sum laude*)

May 2022

Mathematics Minor

Dean's List: Spring 2019, Fall 2020, Spring 2021, Spring 2022

Omicron Delta Epsilon Economics Honor Society, Economics Honors Program

### SELECTED COURSEWORK

**Economics:** Microeconomics I (PhD), Econometrics I, Causal Inference and Impact Analysis, Game Theory, Experimental Economics, Economics and Psychology, Intermediate Macroeconomics

**Mathematics:** Abstract Vector Spaces, Foundations of Mathematics (proof-writing), Linear Algebra, Differential Equations, Single- and Multi-Variable Calculus (integral and differential)

## RESEARCH

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### WORKING PAPERS/IN PROGRESS

Nicholas Skelley. "Comparing experimental loss framing methods in a multi-leveled lying context," 2022. *Working paper*.

## EXPERIENCE

### Harvard University, New York University, Kellogg School of Management

Temporary Archival Research Assistant

May 2022 – July 2022

- Read and categorized thousands of archival documents at the National Archives at Atlanta related to polio and the polio vaccine during the 1950's and other infectious diseases and vaccines, including measles, that were prevalent during the mid-20th century.
- Reported documents to Drs. Melissa Dell (Harvard), Leander Heldring (Kellogg), and Pablo Querubin (NYU) that could be used to evaluate infectious-disease vaccine uptake during the mid-1900's and in the wake of the 1950's Cutter incident.

## **Emory University, Department of Economics**

Honors Student

July 2021 – May 2022

- Advised by Dr. Kelli Lanier, developed an original research question in the field of behavioral economics
- Extensively reviewed literature in economics and psychology regarding deception, risk taking, prosocial (and antisocial) behavior, and relevant experimental methods previously used in peer-reviewed research
- Independently learned non-parametric statistical methods for rigorously analyzing survey and experimental data.
- Went through the Institutional Review Board approval process and recruited 409 participants from Amazon's Mechanical Turk (MTurk) to participate in the experiment
- Wrote a comprehensive thesis describing the study and the results of the experiment (see "Comparing experimental loss framing methods in a multi-leveled lying context")

## **Emory Summer Undergraduate Research Experience (SURE)**

Undergraduate Research Fellow

June 2021 – August 2021

- Worked full-time with Dr. Stephen O'Connell studying household reorganization and social program manipulation as a result of cash transfers to Syrian refugees in Lebanon
- Performed extensive data manipulation and analysis in R and created automated processes for creating data visualizations and regression models
- Modified packages in R to handle large datasets and to tailor outputs to our needs
- Wrote programs for identifying bandwidths and power for conducting analysis of social program effects using a regression discontinuity design
- Collected relevant literature through EBSCO and Emory University databases and wrote a literature review on child fostering, social program manipulation, and prior research on the effects of aid programs to refugees
- Analyzed trends in the data and wrote a draft manuscript in preparation for submission to a peer-reviewed journal

## **Emory Economics Policy Lab**

Research Assistant

August 2020 – December 2020

- Programmed in R with dplyr and ggplot2 to create regression discontinuity specifications to assess the effects of policies on specific welfare outcomes.
- Wrote procedural code to seamlessly create models and graphics for 198 different outcome-bandwidth-treatment specifications with the flexibility to easily add or remove objects.

## **GRANTS AND AWARDS**

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[Jack and Lewis Greenhut Prize](#), Emory University Department of Economics, 2022

Emory Undergraduate Research Programs Independent Research Grant, 2022: \$974.40, for "Comparing experimental loss framing methods in a multi-leveled lying context."

Emory Undergraduate Research Programs Summer Undergraduate Research Fellowship, 2021.

## PRESENTATIONS

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Emory College Summer Undergraduate Research Symposium, 2021. “Endogenous household reorganization and social welfare program manipulation.”

Emory Center for Innovation, Peer-to-Peer Masterclass Series, 2020. “Introduction to Web Design with Nicholas Skelley (22C).”

## ADDITIONAL EXPERIENCE

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### **Emory University, Office of Residence Life**

Resident Advisor

August 2020 – May 2022

- Serve as a resource and mentor to thirty-one first-year students for academic, personal, and residential needs.
- Foster community in the building by being visible and available and by putting on community gathering and educational events.
- Serve on-call in a crisis-response role throughout the semester, being prepared to respond to a variety of situations from noise complaints to mental health crises.
- Received a certification in Mental Health First Aid from the National Council for Behavioral Health (August 2020)

### **Emory College of Arts and Sciences**

Teaching Assistant, ECON 201: Intermediate Microeconomics

Fall 2020

- Regularly graded more than 60 quizzes within a span of a few hours while providing notes and feedback to students explaining why answers were incorrect.
- Held virtual meetings with students to answer questions about course material.

### **Emory College of Arts and Sciences**

Teaching Assistant, ECON 220L: Probability & Statistics R Lab

Spring 2020

- Performed administrative tasks, including creating online quizzes and aggregating datasets, for the class.
- Worked individually and in small groups with students to answer questions about programming assignments and help them identify errors in their code.
- During distance learning due to COVID-19, held virtual meetings with students in international time zones to continue providing support and assistance for their final projects.

### **iD Tech**

Virtual Instructor

May 2020 – August 2020

- Taught video game development for one of the most popular platforms for young audiences to over 70 students between the ages of 6 and 12 from around the world.
- Provided introductory lessons in writing (non-visual) code, logical reasoning, and debugging, along with lessons in engagement, player retention, and monetization.

### **Emory University, Office of Residence Life**

Sophomore Advisor

August 2019 – May 2020

- Served as a resource and mentor to sixteen first-year students for academic, personal, and residential needs.
- Fostered community in the building by hosting events to create a sense of belonging and engage

with the Atlanta community.

## ADDITIONAL SKILLS

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### PROGRAMMING

R, L<sup>A</sup>T<sub>E</sub>X, Stata, HTML, CSS, Python, SQL, PHP, Unix, Java, C#, Lua, jQuery, JavaScript, Swift

### CERTIFICATIONS

Mental Health First Aid (2020-2023), CITI Human Subject Research Track (2021), CITI Basic/Refresher Course Human Subjects Protection: Social/Behavioral Focus (2021-2024)

### LANGUAGES

English: native; French: intermediate/working proficiency