

Last Updated:  
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# Nicholas Skelley

6955 Polo Drive · Cumming, GA 30040  
nicholas.skelley@emory.edu · (770) 840 5110

## EDUCATION

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### Emory University

August 2018–*Present*

Economics BA, Math Minor

GPA: 3.917

Expected Graduation: May 2022

#### Relevant Coursework:

- **Economics:** Microeconomic Theory I (Graduate); Econometrics; Causal Inference; Game Theory; Experimental Economics; Behavioral Economics; Intermediate Macroeconomics; Honors Research
- **Mathematics:** Calculus I, II, & III; Linear Algebra; Proof Writing; Differential Equations (*Upcoming*); Real Analysis (*Upcoming*)

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

Omicron Delta Epsilon (International Economics Honor Society), Economics Honors Program

## RESEARCH EXPERIENCE

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### Honors Student

Emory University Department of Economics Honors Program

July 2021–*Present*

- Advised by Dr. Kelli Lanier, developing an original research question in the field of behavioral economics for conducting an experiment and writing a thesis
- Extensively reviewed literature in economics and psychology regarding deception, risk taking, desperation, prosocial (and antisocial) behavior, and relevant experimental methods previously used in peer-reviewed research
- Designing a game to be playing in the lab during the Spring semester and preparing a proposal for Institutional Review Board approval

### Undergraduate Research Fellow

Emory Summer Undergraduate Research Experience

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

Stephen D. O’Connell and Nicholas Skelley, “Endogenous household reorganization and social welfare program manipulation,” 2021. *In preparation for submission to a peer-reviewed academic journal.*

### **Research Assistant**

Emory University Economics Policy Lab

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.

## **PROFESSIONAL EXPERIENCE**

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### **Resident Advisor**

Emory University

August 2020–*Present*

- Serve as a resource and mentor to seven 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)

### **Virtual Instructor**

iD Tech

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.

## **SERVICE & VOLUNTEERING**

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### **Teaching Assistant: Intermediate Microeconomics**

Emory University

August 2020–December 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.

### **Teaching Assistant: Probability and Statistics Lab (R)**

Emory University

January 2020–May 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.

## **Sophomore Advisor**

Emory University

August 2019–March 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.

## **ACTIVITIES & COMMUNITY INVOLVEMENT**

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### **Vice President of Marketing and Technology**

Emory Residence Hall Association

August 2020–May 2021

- Oversee a committee of 10+ members responsible for managing messaging and marketing for an audience of almost 11,000 Emory undergraduates.
- Drove a 20% increase in Instagram followers with a 2.7-point increase in the follow ratio through a data-driven approach to engagement and followers.
- Created a cohesive visual brand and have worked to create applicable and enforceable standards for organization-wide use.

### **Web Developer and Design Director**

The Emory Spoke

September 2020–August 2021

- Built a website each semester to showcase articles in a magazine format, parodying a major, real-world publication.
- Created a content management system with PHP and SQL to efficiently generate and update article webpages and home page content.

### **Promotion and Social Media Administrator**

Dooley's Tavern

July 2020–May 2021

- Created a brand and marketing strategy for the launch of Emory's student-run virtual community hub designed to promote student engagement and interaction during the pandemic.
- Collaborated with three student organizations and the university to execute the marketing strategy, attracting more than 1000 members within three days of launch.

### **Peer-to-Peer Masterclass: Web Development and Design**

The Emory Hatchery

May 2020

- Discussed the process of designing and building a website with HTML, CSS, and jQuery as one of the first presenters in the Hatchery's peer-to-peer masterclass pilot series.
- Answered questions about design, inspiration, tools, and resources involved in the web development process.
- [bit.ly/skelley-hatchery](https://bit.ly/skelley-hatchery)

### **Co-Chair of Social Media and Publicity**

Emory Alabama Hall Council

September 2018–May 2019

- Created flyers and worked with the other co-chair on developing an effective social media strategy by encouraging attendance and participation at campus events.
- Consistently demonstrated greater success at engaging residents than any other building on campus, winning Dooley's Bowl in large part due to regularly having high resident turnout at events.

## ADDITIONAL SKILLS

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

**Adobe Creative Cloud:** Illustrator, Photoshop, InDesign, After Effects, Lightroom, XD

**Languages:** French (Intermediate)

**Certificates:** Mental Health First Aid (National Council for Behavioral Health, 2020-2023)