Matthew R. Gonzalez

Syracuse, New York · 203.731.7592 · mrgonzal@syr.edu · github.com/mrgonzal-SU

Education

2021	**MA in Economics, Syracuse University**
2020	BSc in Economics, Syracuse University *Magna Cum Laude*

Professional Experience

Poverty and Inequality Research Lab, John Hopkins University — *Baltimore, Maryland*
2021
Incoming Pre-doctoral Research Fellow

Center for Policy Research — *Syracuse, New York*
2020
Research Assistant

- Developed functions in Python to enrich an existing dataset by automating requests to Elsavier's Scopus API and cleaned data with functions from the Pandas library
- Tasked with compiling over 2000 unique data entries through the use of Excel to scrape academic data
- Automated aspects of the process by using Python's Selenium Library to gather relevant documents from the internet
- Planned and discussed the collection of specific data parameters with the project's primary investigator
- Consistently communicated status updates and remained independently motivated to contribute to the overall project

Syracuse University — *Syracuse, New York*
2020
Teaching Assistant

- Assisted in the development of an online synchronous/asynchronous course structure for *Game Theory* (ECN 421)
- Held biweekly office hours for a class of 42 students to effectively address questions and to communicate complex topics
- Provided feedback on assignments and analyzed grades to determine potential areas of improvement
- Contributed to the creation of course assignments and evaluations administered through the university's learning system

Sandy Hook Promise — *Sandy Hook, Connecticut*
2019–2020
Data Analyst Intern

- Applied data cleaning techniques using Microsoft Excel to prepare "Save Promise Club" survey responses for analysis, resulting in multiple datasets, each containing over 2000 unique data entries
- Visualized said responses using Microsoft Excel pivot tables and charts to clearly portray and communicate findings to peers and program overseers, creating a basis for understanding program strengths and weaknesses
- Consolidated data analysis to a 25-page report highlighting key features requested by stakeholders; presented findings to program management and to the National Director of the "Save Promise Club"

Center for Policy Research — *Syracuse, New York*
2018
Undergraduate Research Assistant

- Ran web-scraping programs in Microsoft Excel to collect landlord and rent information from major cities across the U.S., resulting in the development of a dataset with over 5000 entries
- Cleaned and prepared these data based on project specifications through the removal of duplicates and hand coding techniques, eventually developing the data by which PhD candidates evaluated rent discrimination with econometric analysis
- Article is currently under review, and entitled, "Can Information Help Lakisha and Jamal Find Housing? Evidence from an Online Experiment of Landlords." 2019. Murchie, Judson, Jindong Pang, and David Schwegman

Technical Skills

Programming

- Experienced in statistical modeling and data analysis with STATA, Python, R and Microsoft Excel
- Confident in collaborating using Git
- Comortable modeling and implementating relational databases using TSQL