

WILL QUEEN

712 B Milton St. ◇ Greensboro, NC 27403

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EDUCATION

University of North Carolina at Greensboro

PhD in Economics

Expected in May 2022

University of North Carolina at Greensboro

Masters of Arts in Applied Economics

December 2018

GPA: 3.89

Appalachian State University

Bachelor of Arts in Regional Economic Development

Minor in Mathematics

May 2017

Economics and Math GPA: 3.84

TECHNICAL STRENGTHS

Programming Languages

Software & Tools

R, SAS, Stata, Python, RShiny, MATLAB

rMarkdown, LaTeX, Excel, Word, Git

RESEARCH GRANTS AND AWARDS

Graduate Research Assistant

With Dr. Jeremy Bray

August 2018 - Present

- Evaluated the return on investment of two state-funded children's mental health programs (tiered care coordination and high fidelity wraparound) across several counties.
- Worked with the North Carolina Department of Mental Health, Developmental Disabilities, and Substance Abuse Services, the Department of Social Services, Juvenile Justice, and several health care providers to set-up the a merged database of individual-level service data.
- Developed and implemented regression techniques to estimate cost savings due to state intervention.
- Gave frequent presentations to state agencies, health care providers, families, and other involved parties.

RESEARCH GRANTS AND AWARDS

Modeling Energy Consumption II

\$11,233, UNCG Green Fund

May 2020 - Nov 2020

- Led a team of graduate students to set-up APIs, clean data, and develop models to predict hourly energy consumption in nearly 100 meters on campus.
- Wrote python scripts to scrape data in real-time and be the foundation for a web-based application.
- Hosted a "hack-a-thon" where students competed to build an interactive, web-hosted dashboard to display data and model results. The final project is hosted on UNCG's website.

Modeling Energy Consumption I

\$3,780, UNCG Green Fund

May 2018 - August 2018

- Used smart-meter data from three campus buildings, weather data, and occupancy data to develop linear models to predict energy consumption.
- Wrote a report for Facilities Operations titled "Modeling Energy Consumption in Campus Buildings: Employing Meter Data and Regression Analysis to Aide University Management Practices."

LED Retrofitting Analysis

\$4,158, UNCG Green Fund

May 2018 - August 2018

- Employed cost-benefit techniques to analyze the costs of various approaches to LED retrofitting.
- Produced a report titled “An Analysis of the Costs of LED Retrofitting Projects”
- Supervised an undergraduate to take lighting inventory of relevant campus buildings.

WORKING PROJECTS

The return on investment of Tiered Case Coordination and High Fidelity Wraparound in North Carolina

with Dr. Jeremy Bray, funded by an evaluation grant from the State of North Carolina

The effect of adolescent mental illness, substance use, and comorbidities on adult labor market outcomes: a scoping review

SERVICE AND EXTRACURRICULAR

Green Fund Committee Member (August 2019 - Present)

Senator for the Graduate Student Association at UNCG (August 2018 - August 2020).

Southern Economic Association Member and Conference Attendee (2018 - 2019)

Appalachian Student Ambassador (Feb 2014 - May 2017).

Presenter at the Global Leadership Summit in Bloemfontein, South Africa (July 2015).

FELLOWSHIPS AND AWARDS

Betty Conley Brooks and Robert Charles Brooks Masters Fellowship in Economics (2018 - 2019)

Beta Gamma Sigma (2018 - Present)

Spartan Graduate Scholar (2018 - 2019)

Spartan Graduate Scholar (2017 - 2018)

Minerva Grant (2017 - 2018)