

William Daniel Taylor

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University of North Carolina, Chapel Hill, NC
B.S. Computer Science; B.A. Political Science

May 2023

TECHNICAL SKILLS

Languages: R, Python, Java, Stata, SQL

Operating Systems: Linux, Windows Server, Mac OS, Windows 10

Applications: StataBE, Jupyter Notebook, RStudio, Vim, IntelliJ, Git, Microsoft Office Suite, Microsoft Sentinel, Secureworks Taegis XDR

WORK EXPERIENCE

Criminal Justice Innovation Lab, UNC School of Government – Research Assistant

January 2023 – Present

- Perform data cleaning and analysis tasks on large- n , county-level jail population data
- Collaborate with other research specialists to deliver reports from this analysis
- Scale analysis through the creation of cleaning and analytic pipelines

Department of Political Science, UNC Chapel-Hill – Undergraduate Research Assistant for Dr. Frank Baumgartner

Dec 2021 – January 2023

- Assisting Dr. Frank Baumgartner with criminal justice research.
- (December 2021—Summer 2022) Assisted with reshaping and feature engineering tasks for a country-wide death penalty dataset.
- (Fall 2022) Delivering supplementary statistical computing tasks for a forthcoming book project on disparate police contact in NC.
 - (October 2022) Presented on research design and theory for this project at the University of Michigan's Emerging Scholars political science conference.

American Political Science Association Ralph Bunche Summer Institute, Duke University – Research Fellow

June 2022

- Completed two graduate-level courses—Probability and Basic Regression, and Race and American Politics.
- Wrote a quantitative research paper employing rare event analysis to study radicalization into political extremism in the United Kingdom.
- Invited to present at the 2022 American Political Science Association general conference.

Carpenter Technology Corporation – Cybersecurity Analyst Intern

May 2022 – August 2022

- Monitored security operations center dashboards for malignant activity.
- Performed threat hunting and forensic analysis after incidents to determine causes of attacks and propagation through systems and networks.
- Assisted in the creation of a handbook on cyber security concepts and compliance to be distributed amongst employees in the Carpenter IT department.

SPEC Lab, University of Southern California – National Science Foundation Research Experience for Undergraduates Fellow

Jun 2021 – August 2021

- Collaborated with other research assistants (RAs) to generate reports that informed project direction.
- Held weekly office hours to assist other RAs with R and statistical computing concepts.
- Created visualizations and tables for academic papers, and updated prose with these changes.
- Gave presentations to professors and stakeholders outlining new quantitative findings.
- Created R video tutorials on data visualization, currently hosted on the SPEC Lab YouTube channel.