JACKSON REED TILLEY

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101 Herty Drive Athens, GA 30601

# EDUCATION

Doctor of Philosophy, Political Science and International Affairs, Expected Graduation: May 2025

Dissertation Title: State Security and Civil Space Development: A Methodological Approach

First Field: International Relations, Second Field: Comparative Politics

University of Georgia, Athens, Georgia

GPA: 3.95/4.00

Bachelor of Arts, Political Science, 2020

Concentration: International Politics and Law

Louisiana State University, Baton Rouge, Louisiana

GPA: 3.89/4.00; Dean’s List (Every Semester)

# RESEARCH FOCUS

Fields: Outer Space Security Policy, Politics of Emerging Technologies, Political Methodology

Topics: Military Space Technologies, Cybersecurity in Space, Civil Space Agencies, Private Space Companies, Public Opinion of Emerging Technologies, Quantitative Data Analysis

# PROFESSIONAL EXPERIENCE

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| *Graduate Student In-Residence: Cyber Developer* January 2023 - April 2023  Savannah River National Laboratory  Cybersecurity and Threats Assessments Division  Aiken, SC   * Description: Contributed to experiments on the cybersecurity of small satellites and a DOE nonproliferation working group * Experience Gained: Knowledge of the fundamentals of cybersecurity on space systems, project management in a national laboratory setting, and nuclear nonproliferation regimes. * Impact: Wrote a literature review on the application of quantum cryptography to small satellites, developed a cyber-vulnerability interview project intended for publication, and ensured the completion of quarterly technical development and funding goals for an ongoing satellite experiment.   *Intern: Counterintelligence Analyst* June 2022 - August 2022  National Reconnaissance Office  Office of Security and Counterintelligence  Chantilly, VA   * Description: Provided analytic support for technical counterintelligence assessments concerning NRO programs, sites, and partners * Experience Gained: Technical knowledge of satellite systems and constellations, analytic tradecraft skills, and insight into government interagency cooperation * Impact: Produced and briefed several completed counterintelligence assessment products |
| *Fraud Report Processor*  October 2018- July 2020  National Center for Disaster Fraud  Baton Rouge, LA   * Description: Processed reports of fraud, waste, and abuse within the Department of Homeland Security for submission to government investigators * Experience Gained: Government writing, client communication, and interagency knowledge * Impact: Submitted thousands of fraud reports to DHS investigators, many of which were pursued and prosecuted by DHS |
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# TEACHING EXPERIENCE

*Instructor of Record*  June 2024 - Present

INTL 4430 U.S. National Security Policy

University of Georgia, Athens GA

* Description: Taught the underlying principles and history of U.S. National Security, with a focus on emerging technologies, to one section of undergraduates per semester
* Experience Gained: Teaching, novel course prep, group-management, and seminar discussion-lead skills
* Impact: Contributed to nearly 100 students’ knowledge of U.S. National Security and impending technical threats

*Teaching Assistant*  August 2021- May 2024

POLS 1101 Introduction to American Government

University of Georgia, Athens GA

Supervisors: Dr. Roberto Carlos, Dr. Jeffrey Glas

* Description: Taught one class a week and managed grades for around sixty students per semester
* Experience Gained: Teaching, public speaking, group-management, and seminar discussion-lead skills
* Impact: Contributed to over 200 students’ knowledge of American government and motivated them to actively learn more about and participate in their political system.

# RESEARCH EXPERIENCE

*Research Assistant* August 2020- May 2021

School of Public and International Affairs

University of Georgia, Athens, GA

Supervisors: Dr. Shane Singh, Dr. Amanda Murdie

* Description: Assisted in coding two large-N datasets on compulsory voting in South America and globe-spanning human rights NGOs
* Experience Gained: Excel, RStudio, and data science application skills
* Impact: Datasets were used in statistical models for two high-profile academic publications.

*Research Assistant* August 2019- June 2020

Department of Political Science

Louisiana State University, Baton Rouge, Louisiana

Supervisor: Dr. Dimitriy Nurullayev

* Description: Assisted in gathering quantitative and qualitative data on historical examples of inter-state military probing tactics involving the Soviet Union, China, Israel, and the United States.
* Experience Gained: Library source collection and historical artifact analysis skills
* Impact: Data was utilized in a published dissertation

# PUBLICATIONS

Ryan Powers and Jackson Tilley. 2023. **“**Space-Based Military Strikes and Public Support for Retaliation: Findings from a Domestic Survey Experiment” *Submitted for Peer Review*

Jackson Reed Tilley, Cult of the Irrelevant: The Waning Influence of Social Science on National Security, International Studies Review, Volume 25, Issue 4, December 2023

**Working Papers:**

Jackson Tilley. “Ad Astra Militarized: The Effect of Military Expenditures on Civil Space Programs.”

Jackson Tilley. “Falling Sideways: The Effect of Militarized Inter-state Disputes on Satellite Development.”

# CONFERENCE PRESENTATIONS

Midwest Political Science Association, 2023

“Space-Based Military Strikes and Public Support for Retaliation:

Findings from a Domestic Survey Experiment”

# GRANTS

Small Research Grant. 2023. Department of International Affairs. University of Georgia

Seed Grant. 2024. Center for International Trade and Security (CITS). University of Georgia

# SOFTWARE SKILLS

R (Advanced)

Microsoft Excel (Advanced)

STATA (Intermediate)

Qualtrics (Advanced)