

# Ali N. Whatley (Masters Student)

Atlanta, GA

Primary: [whatley.ali6@gmail.com](mailto:whatley.ali6@gmail.com)

Personal: (404) 916-0781

Secondary: [awhatley9@gatech.edu](mailto:awhatley9@gatech.edu)

<https://www.linkedin.com/in/ali-whatley-907a22187/>

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## Education

**Georgia Institute of Technology:** MS International Affairs

Aug 2025 - May 2027 (expected)

- Tracks: Science & Technology and International Security
- Planned Certificates:
  - International Security & Aerospace Systems
  - Emerging Technologies & Proliferation
- Relevant Courses: International Relations Theory, Science, Technology, & International Affairs I, Introduction to System of Systems Engineering Principles, Empirical Research Methods

**Georgia State University:** B.S. Economics, B.A. Political Science

Aug. 2022 - August 2025

- Certificate: Global Scholar
  - Relevant Courses: Macroeconomics - CTW [Critical Thinking through Writing], Microeconomics, Nuclear Weapons and International Politics, Econometrics and Applications, Causes of War, Applied Combinatorics, & Methods of Regression Analysis
  - Relevant Graduate Level Courses: Introduction to Mathematics for Economics, Research in Economics, & Intro to Data Management and Analysis
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## Research

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### Interest

Energy Security, Economic Statecraft, Technological Proliferation, International Security, & Political Economy of Defense

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### Experience

**ASDL Grand Challenge:** Year long group research project on Energy Systems and National Security focused on creating Tabletop tool to aid policy makers to facilitate quantitative policy making decisions for tactical responses to energy shocks.

**Research in Economics (Personal):** During this semester-long course, research focused on natural gas pricing due to the deregulation of natural gas markets.

- An Examination of Natural Gas Deregulation

**Pollitik - Political Popularity Project:** During a year-long collaboration with the Pollitik lab, the lab utilized and provided data for the Executive Approval Project database to facilitate a comparative estimation of nations' electorates.

- Sample posts:
    - Jimmy Carter, Farmer, Politician, Humanitarian, Dies
    - From North Korea with Love: North Korean Provocations and South Korean Rallies
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## Skills

Stata: *Intermediate*

- Stata Experience gained during a personal research project within economics

Excel: *Expert*

- Experience focused on data cleaning and data analysis

R: *Intermediate*

- R experience in data management and research

Python: *Intermediate*

- Currently taking courses through Datacamp to gain knowledge of Python for data analytics

Sysml Through Magic Draw: *Intermediate*

- Built parametric aircraft design model in MagicDraw/SysML, automating performance calculations and design space exploration to identify optimal configuration meeting mission requirements

NetLogo: *Beginner*

- Extended SIR epidemiological model through computational simulation to examine dynamic system behaviors; synthesized quantitative results and theoretical implications in comprehensive technical briefing
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## Languages

- English - *Native*
  - French - *Intermediate*
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## Work and Internship Experience

U.S. Department of Labor - Bureau of Labor Statistics - Atlanta, GA - May 2024 - August 2024  
Student Volunteer (Research intern)

- Aided BLS staff with daily tasks utilizing R and Excel.
- Worked on a time series project utilizing randomized BLS data.
- Aided in the updating of certain aspects of BLS code, Naics, and other tools.