

Riley J. Chodak

Jimmy and Rosalynn Carter School of Public Policy
Georgia Institute of Technology
(740) 755-5082 | rjchodak@gmail.com
685 Cherry St NW, Atlanta, GA – DM Smith 124

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Doctorate in Public Policy with an Energy and Environmental focus
Master of Sustainable Energy and Environmental Management

Atlanta, GA
Expected May 2029
May 2026

COLUMBIA UNIVERSITY School of Engineering and Applied Sciences
B.S. Maj. Earth and Environmental Engineering, Min. Chemical Engineering

New York, NY
May 2024

RESEARCH INTERESTS

My research presently focuses on the development of sustainable aviation fuels and includes building models for production pathways of low-emissions fuels, identifying uncertainties in clean energy techno-economic forecasting, and utilizing policy instruments to drive high-level mechanisms of cost decline via process-level improvements

PUBLICATIONS

Hamilton, I et al. “Co-impacts of climate change mitigation- Pathways to co-impacts: final report.” Gov.UK, CS-N0W (2024).

<https://assets.publishing.service.gov.uk/media/680b8ea411d566056bcae8d3/co-impacts-of-climate-change-mitigation.pdf>

RESEARCH AND PROFESSIONAL EXPERIENCE

Georgia Institute of Technology – Graduate Research

Advisor: Dan Matisoff

Atlanta, GA
August 2024 - present

- Spearheading several projects related to sustainable aviation fuels, including developing bottom-up models of production processes and costs, understanding opportunities for and cost sensitivity to low- and high-level process improvements, and identifying opportunities for incentivizing long-term progress via R&D, economies of scale, and learning-by-doing.

Center on Global Energy Policy

Student Research Worker

New York, NY
May 2022 – May 2024

- Hand-picked to work in the research director’s office for assisting with research, analysis, and writing for various projects and events advancing her initiatives.
- Topics included: policy solutions and decarbonization strategies for the net zero energy transition, technical and non-technical barriers to clean energy adoption, and developing climate-friendly best practices for relevant economic/industrial sectors

Columbia University Engineering School, MechE Department

Research Assistant

New York, NY
August 2019 – May 2021

- Compiled, visualized, and analyzed large-scale datasets, including LiDAR, on available rooftop area for potential rooftop solar PV installations across the US.

SKILLS

- Programming languages: Python, R
- Frameworks and tools: LaTeX, Photoshop, Canva

- Operating systems: Windows, Linux, Mac OS