

## Sophie Schadler, Research Associate

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## PROFESSIONAL EXPERIENCE

**Synapse Energy Economics, Inc.**, Cambridge, MA. *Research Associate*, September 2023 – Present

- Performs quantitative and qualitative research and analysis on energy-sector issues including energy efficiency, the future of natural gas, and energy justice.

**Environmental Studies Capstone Research Project**, Colgate University. *“Addressing New York State’s 2019 Climate Act: Impacts on Energy Demand and Strategies for Emission Reduction in the Village of Hamilton”*, January 2023 – May 2023

- Worked on a team of 4 to design a research project addressing Hamilton’s need to reduce carbon emissions 85% across sectors by 2050.
- Produced a paper that forecasted future electric demand and offered energy efficiency strategies for the Village of Hamilton.

**GIS Research Assistant**, Colgate University. *Mapping Chicago Public Housing developments with Professor Madeleine Hamlin*, January 2023 — May 2023

- Researched and digitized building footprints of demolished public housing developments in Chicago in contribution to a project on corrupt policing practices.

**Department of Geography Summer Intern**, Colgate University. *Mapping Colgate’s landholdings with GIS*, June 2022 — August 2022

- Compiled the first GIS map of Colgate’s complete landholdings with area classified by land-cover type, published map and user’s guide for Colgate’s records and public access.

## EDUCATION

**Colgate University**, Hamilton, NY: B.A. in Environmental Geography, minor in Economics, 2023  
*Areas of Focus: Sustainable Development, Environmental Economics, Abolition Geography and Environmental Justice*

## SKILLS

ArcGIS, Microsoft Office Suite, Python, Wilderness First Responder

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## **PUBLICATIONS**

S. Schadler, T. Hsieh. 2022. *Map of Colgate Landholdings 8/4/22*. Colgate University Department of Geography. Map accessible on ESRI's ArcGIS Online.

S. Schadler. 2022. *User's Guide for Colgate Landholdings Map*. Colgate University Department of Geography. Map accessible on ESRI's ArcGIS Online.

*Resume updated September 2023*