

# Emily Hesp

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## EDUCATION

University of Toronto

Toronto, ON

Honors BA, Political Science and Public Policy, Minor in Geographic Information Systems

Class of 2028

## RESEARCH INTERESTS

Critical infrastructure security and hybrid threats; Canadian defence industrial strategy; international relations theory; marine policy; energy security; smart energy grids; Indigenous economic reconciliation; space governance.

## RELEVANT COURSEWORK

- PPG301: The Role of Government
- POL232: Intro to Quantitative Reasoning II
- GGR273: Geographic Information and Mapping II
- POL208: Introduction to International Relations
- GGR324: Spatial Political Economy
- GGR373: Advanced Geographic Information Systems

## RESEARCH & ACADEMIC PROJECTS

Enhancing Surveillance Capabilities in the Canadian Arctic

December 2025

*PPG301, Policy Recommendation Assignment*

Reviewed government documents, scholarly articles, research reports, and credible new sources to develop an argument for incrementally expanding investment in Canadian LEO satellite capabilities to improve the interoperability of existing technologies.

Nation-Building Starts At Sea: Bivariate Spatial Modelling of Vessel Presence in the Canadian EEZ

December 2025

*GGR273, Independent Project*

Created and interpreted a bivariate OLS, spatial lag (SLM) and spatial error (SEM) model of open-source vessel presence data in relation to transport polyline features across Canada.

News Consumption and Vote Intention in the 2019 Canadian Federal Election

March 2025

*POL232, Final Paper*

Conducted multivariate regression analysis in R on CES2019 survey data (N = 3,784) to examine effects of news consumption on vote intention, controlling for age and education. Interpreted the substantive and statistical significance of the regression outputs.

## METHODS & SKILLS

Qualitative analysis (policy documents, legal texts, theory); Quantitative reasoning (regression, descriptive statistics); GIS & spatial analysis (ArcGIS Pro); Data visualization & map design; R & RStudio; Academic writing & literature review.

## ADDITIONAL EXPERIENCE

**John M. Kelly Library, St. Michael's College**

Toronto, ON

*Student Library Assistant*

September 2025 - Present

- Supports daily library operations by shelving materials, completing administrative tasks, and assisting patrons.

**Women In International Security Canada, UofT Chapter**

Toronto, ON

*Co-President*

May 2025 - Present

- Coordinates internal activities, establishes long-term goals, and internal processes to guide WIISC UofT Chapter operations.

**Elections Canada**

Toronto, ON

*Information Officer*

April 2025

- Communicated voting procedures and ID requirements, ensuring accessibility and demonstrating professionalism.