

Curriculum Vitae

Princeton University, Princeton, New Jersey
(859) 699-2345 | amhoyt@princeton.edu

EDUCATION

Princeton University: Ph.D. in the History of Science	Expected 2028
Princeton University: M.A. in the History of Science	2025
Trent University: M.A. in History	2023
Thesis: <i>Ecology, Settler Colonialism, and the Environments of the American Midwest: The Science and Politics of Ecological Restoration since 1950</i>	
Carleton College: B.A. in History, Minor in Medieval and Renaissance Studies	2019

PUBLICATIONS

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- “Restoring a Relational World: *Manoomin* and Minnesota Ojibwe Resurgence.” In preparation for submission to *Environmental History*.
- “What Minnesota's Mineral Gaze Overlooks.” *Edge Effects Digital Magazine*. July 2022.
- “Air Source Heat Pumps in Wisconsin: Multifamily and Single-Family Applications.” Julie Drennen, Carl Nelson, Andrew M. Hoyt, Isaac Smith, Chidinma Emenike, Ben Schoenbauer, Maria Cecilia Quiñones Peña, Abigail Corso, and Chelsea Wilson. Focus on Energy Environmental & Economic Research and Development Program (October 2021).
- “Non-Native Liana, *Euonymus Fortunei*, Associated with Increased Soil Nutrients, Unique Bacterial Communities, and Faster Decomposition Rate.” Sarah R. Bray, Andrew M. Hoyt, Zhijie Yang, and Mary A. Arthur. *Plant Ecology* 218 (2016): 329–343.

RESEARCH & TEACHING EXPERIENCE

Research Assistant	2022 – 2023
For Dr. Finis Dunaway (Trent University)	
<ul style="list-style-type: none"> Primary research for book project on Iron Eyes Cody and the trope of the “Ecological Indian” Designed and wrote webpages for companion public history website for <i>Defending the Arctic Refuge</i> 	
For Dr. Tina Adcock (Simon Fraser University)	
<ul style="list-style-type: none"> Located archival material for use in <i>A Cold Colonialism: Modern Exploration and the Canadian North</i> (2025) 	
Graduate Teaching Assistant , Trent University School of the Environment	2021 – 2023
Environmental History (Fall 2022); Environmental Science and Politics (Winter 2022 and 2023); Natural Resource Management: Theory and Comparative Cases (Fall 2021)	
Energy Analyst , Center for Energy and Environment, Minneapolis, MN	2019 – 2021
Conducted research to support the development of energy efficiency and electrification programs for public partners	
Student Naturalist , Carleton College Cowling Arboretum	2015-2019
Conducted research and interviews for oral history of the arboretum; organized and led educational activities and tours	
Research Assistant , Chicago Botanic Garden Echinacea Project	2018
National Science Foundation Research Experiences for Undergraduates (NSF REU)-funded position researching genetic diversity and pollination rates in remnant populations of <i>Echinacea angustifolia</i> in Minnesota	

Ecology Lab Research Assistant, Carleton College Biology Department 2017

Conducted fieldwork and statistical analysis studying the effect of mammal herbivory on plant diversity in tallgrass prairie restorations

University of Kentucky Department of Forestry 2014 – 2016

Researched the impact of logging techniques on incidence and intensity of fire in eastern Kentucky forests

PRESENTATIONS

“Conservation in the Corn State: Agribusiness, Ecosystem Services, and the Reconceptualization of Iowa Public Land Management, 1960-1990.” For co-organized panel, “States of the Environmental Management State: Imagining and Forging Novel Ecologies in Modern America.” American Society for Environmental History Annual Meeting. April 2025.

“Sovereignty through Stewardship: Wild Rice, Minnesota Ojibwe Resurgence, and the Politics of Relational Restoration.” Technologies of Sovereignty Graduate Conference at Columbia University. February 2025.

“Theory and Practice in the Prairie: Plant Community Structure and the Foundations of Restoration Ecology.” History of Science Society Annual Meeting. November 2022.

“A Tragedy in Common: H. Scott Gordon, the Fisherman’s Problem, and the Rationalizing High Modernism of Cold War Bioeconomics.” McGill-Queen’s Graduate History Conference. March 2022.

“‘He was on Your Side and You Knew It’: A Profile of Harvey Stork, Professor of Botany and Founder of the Carleton Arboretum.” Public Lecture at Carleton College. May 2019.

“Quantifying the effects of aphid herbivore *Aphis echinaceae* on the fitness of *Echinacea angustifolia*,” Carleton College Student Research Symposium. October 2018.

“Cover of *Solidago* (goldenrod) species affects plant species richness in restored tallgrass prairie.” Carleton College Student Research Symposium. October 2017; Minnesota Private Colleges Poster Showcase at the Minnesota Capitol. February 2018.

“*Euonymus fortunei* Influences Soil Bacterial Community and Leaf Composition.” Tracy Farmer Institute for Sustainability and Environment Annual Poster Showcase. December 2014.

WORKSHOP PAPERS

“Chaos Ecology: Science, Governance, and the End of Natural Order.” Princeton University History of Science Program Seminar. November 2025.

“Temporal Recipe Knowledge in the Early Modern English Household.” Princeton University Early Modern History Workshop. October 2024.

“Restoration, Reciprocity, and Rice: How Minnesota Ojibwe Governments and Activists Reclaimed Resource Management.” Princeton University History of Science Program Seminar. September 2024.

“In Search of the Unit of Ecological Community: Prairie Restoration and the Intermediate Geography of the American Midwest.” Princeton University History of Science Program Seminar. March 2024.

WORKSHOP COMMENTS

For Tomás Uriburu, “The Otumpa Meteorite and the Conquest of Chaco,” Princeton University History of Science Program Seminar. November 2023.

SELECTED AWARDS & HONORS

Graduate Student Essay Prize, ASEH 2025

Awarded for best essay by a graduate student for “Sovereignty through Stewardship: Wild Rice, Minnesota Ojibwe Resurgence, and the Politics of Relational Restoration”

Environmental History Fellow , ASEH	2025
One of four graduate students selected to develop manuscripts for submission to <i>Environmental History</i>	
Passed General Examination with Distinction , Princeton University	2025
President's Medal , Trent University	2024
Awarded to the student with the highest academic record among the university's MA programs	
Ontario Graduate Scholarship , Trent University	2022
Highly selective merit-based scholarship awarded annually	
Katherine S. McCarter Graduate Student Policy Award , Ecological Society of America	2022
Recognizes graduate students working at the intersection of policy and ecology	
Alan Wilson Entrance Award , Trent University	2021
Magna Cum Laude , Carleton College	2019
Phi Beta Kappa , Carleton College	2019
Laurence McKinley Gould Prize in Natural Science , Carleton College	2019
Awarded to one graduating student for excellence in both experimental scientific research and the humanities	
Best Undergraduate Poster , University of Kentucky Tracy Farmer Institute	2014
Awarded for poster based on research with the University of Kentucky Forest Ecology lab	

SERVICE & ADVOCACY

Earth and Environment Forum Steering Committee , HSS	Since 2024
Communications Officer , HSS Graduate and Early Career Caucus	Since 2023
Graduate History Association Committee , Princeton University	2023 – 2025
History MA Program Director Search Committee , Trent University	2022 – 2023
History MA Program Committee , Trent University	2022 – 2023
Policy Action Team , MN350	2019 – 2021
Student Departmental Advisor , Carleton College History Department	2018 – 2019
Environmental Carls Organized Volunteer , Carleton College	2018 – 2019

OTHER SKILLS

Languages

Reading proficiency in German, Spanish, and French

Software

Mapping (ArcGIS, Tableau); Data Management and Statistical Analysis (R, Tableau, SPSS); Coding (Python, CSS)

Other

Basic field and laboratory research techniques in ecology; bird and plant identification