

LUCINDA ROBERTS

EDUCATION

MS	University of Oregon, Department of Geography MS in Geography	2023 - 2025 Eugene, OR
BS	University of Oregon, Robert D. Clark Honors College BS in Spatial Data Science with minor in Global Health <i>Cum Laude</i>	June 2023 Eugene, OR

HONORS AND AWARDS

Cartographic and Geographic Information Society Master's Award	Recognition of potential for achievement in original research advancing the specific disciplines of cartography or geographic information science	2024
Rhodes Scholarship, Finalist	One of the most competitive scholarships in the world; finalists selected on the basis of academic achievement, devotion to service, and moral force of character	2023
International Cartographic Association Scholarship	Awarded to exemplary students across the world to attend the International Cartography Conference	2023
Oxford University Fellow on Human Rights	Invited to attend the Oxford Consortium on Human Rights in 2020 & 2022 to discuss with and learn from global leaders in human rights	2022
North American Cartographic Information Society Scholarship	Scholarship awarded to one undergraduate annually for exemplary skills in the field of cartographic and spatial data science	2022
Trussell Award for Excellence in Geographic Research	Award for outstanding research, as well as academic merit, and an interest in a career serving humanity.	2022
Bill Loy Award for Excellence in Cartography, honorable mention	Cartography award for my webpage "Visualizing the Impacts of Shipping Lanes on Native Alaskan Villages in the Bering Strait"	2022
Edward C. Sargeant III Scholarship	Awarded to one pre-health care student who combines the qualities of idealism, openness to alternatives, and an interest in preserving the environment	2021
Presidential Scholarship	Competitive scholarship for incoming UO freshmen based on activities and talents, community service, and leadership capacity	2019

TEACHING

Data Driven Cartography- Graduate Teaching Assistant | 28 Students | Dept. of Geography

Web Mapping- Graduate Teaching Assistant | 22 Students | Dept. of Geography

Advanced Cartography- Graduate Teaching Assistant | 27 Students | Dept. of Geography

Rock Climbing- Field Leader | 110 Students | Outdoor Pursuits Program

Population & the Environment- Graduate Teaching Assistant | 118 Students | Dept. of Geography

Web Mapping- Undergraduate Learning Assistant | 30 Students | Dept. of Geography

Backpacking- Field Leader | 10 Students | Outdoor Pursuits Program

AFFILIATIONS & SERVICE

American Association of Geographers (AAG)

- Student Director, Cartography Specialty Group 2024 – PRESENT
- Student Board Member, Legal Geographies Specialty Group 2024 – PRESENT

Associated Graduate Students in Geography at UO (AGSG)

- President & Curriculum Chair 2024 – PRESENT
- Class Facilitator, GEOG 608: Geography Research Workshop Series Spring 2024

North American Cartographic Information Society (NACIS)

International Cartographic Association (ICA)

RESEARCH & WORK EXPERIENCE

GIS Specialist and Cultural Ethnographer 2024 - PRESENT

Confederated Tribes of the Umatilla Indian Reservation | Roberta Conner

- Organized and archived 4 years of ongoing research into special projects important to tribal interests
- Analyzed and documented sensitive information about ongoing confidential inquiries in GIS
- Took notes and created tasks throughout meetings to ensure goals of employers were being represented in the work

Legal Research Assistant 2023 - PRESENT

UO Law School | Michael Moffit

- Contributed to the content, citations, and formatting for a law review article on alternative dispute resolution with Indigenous communities
- Wrote and presented briefs on environmental pollution legislation
- Organized files and meetings between a team of 7 research assistants

Student Lab Manager 2022 - 2023

InfoGraphics Lab | Erik Steiner

- Developed the 1st student management position to proactively support lab staff in managing a team of 12 students and serve as a trusted liaison
- Successfully coordinated the production of the 1st annual research anthology
- Made recommendations and supported strategies to increase lab capacity by 120%

- Cartographer** 2021 - 2024
InfoGraphics Lab | Joanna Merson
- Contributed to 11 long-term data analysis & visualization projects with a diverse group of researchers, nonprofits, and private individuals
 - Summarized and presented research at national and local conferences
 - Led tutorials, delegated tasks, and created documentation for data workflows
- Searching for the Cayuse Five** 2022 - 2023
Clark Honors College | Michael Moffit
- Served as a GIS specialist in two honors colloquia trying to locate the remains of five Cayuse ancestors killed in 1850
 - Built an online web portal for students and indigenous partners to visualize and compare conflicting historic data and accounts
 - Reported and delivered all findings back to the descendants of the Cayuse Five
- Honors Thesis** 2022 - 2023
Clark Honors College | Advisor: Dr. Carolyn Fish
- Conceptualized and wrote an original 13,000-word thesis as culminating project
 - Independently compiled and evaluated 30 international COVID-19 dashboards using a content analysis
- Product Engineering Intern** 2022 - 2022
ESRI | ArcGIS for Adobe Creative Cloud
- Participated as a scrum team member in agile software development
 - Developed regression tests in JavaScript to monitor extension performance
 - Attended over 90 hours of professional training on advanced geospatial analytics
- Contact Tracer & Case Investigator** 2020 - 2021
Josephine County Public Health Department | Amie Small
- Called and educated 6-14 COVID cases every day throughout their quarantine
 - Stayed up to date on most recent public health recommendations
 - Recorded detail-oriented data on emergency response health software
- Ocean and Ice Lab** | Eugene, OR 2019 - 2020
Undergraduate Employee | Dave Sutherland
- Modelled iceberg movement by comparing GPS movement data against LANDSAT imagery using MATLAB and ArcGIS Pro
 - Presented on research at Undergraduate Research Symposium

PUBLICATIONS, GRAPHICS CONTRIBUTIONS, AND PRESENTATIONS

PAPERS

- Roberts, Lucinda**, Joanna Merson, and Woan Foong Wong: “Global-TRANSIT: Modeling Global Historic Sailing Using A Least-Cost Surface Analysis” *Cartography and Geographic Information Science*. *Accepted*.
- Roberts, Lucinda** and Carolyn Fish, “Dashboard Requirements for International Emergency Response: Evaluation of COVID-19 Dashboard Features.” *Cartography and Geographic Information Science*. *Under review*.

RESEARCH ASSISTANCE

Moffitt, M. (2024). Truth. Regardless of Reconciliation? Nevada Law Journal, 24(3), 9.

GRAPHICS CONTRIBUTIONS

“How to Conserve Wildlife Migration in the American West.” The PEW Charitable Trust. Oct 2022.
Published graphics, work at IGL

“Stepping Stones to the Internet in Africa.” Network Startup Resource Center. May 2023.
<https://nsrc.org/AFRICA/network-history>. *Published graphics, work at IGL*

“The Time Charts of Joseph Priestly: A digital exploration” Stanford Digital Press. *Web map, in review, work at IGL*

PRESENTATIONS AND INVITED LECTURES

Paper Presentation “Hazardous Waste Litigation and Mapping: A template for designing maps of climate change attribution” NACIS Conference; Tacoma, WA; Oct 2024.

Paper Presentation “Hazardous Waste Litigation and Mapping: A template for designing maps of climate change attribution” EuroCarto Conference; Vienna, Austria; Sept 2024. *Canceled*.

Paper Presentation “Modeling Global Historic Trade Routes Using a Least Cost Surface Raster Analysis;” International Cartography Conference; Cape Town, South Africa; Aug 2023

Project Presentation “(Re)Searching for the Cayuse Five,” Many Nations Longhouse; Eugene, OR; March 2023.

Paper Presentation “Modeling Global Historic Trade Routes Using a Least Cost Surface Raster Analysis;” North American Cartographic Information Society Annual Conference; Minneapolis, Minnesota; Nov 2022.

Project Presentation “Searching for the Cayuse Five,” Many Nations Longhouse; Eugene, OR; June 2022.

Project Presentation “Applying GIS in Searching for the Cayuse Five;” University of Oregon Geography Research Symposium; Eugene, OR; May 2022.

Symposium Presentation “Comparing and Contrasting Workflows and Data Management for Web-based versus Printed Cartography,” University of Oregon Geography Research Symposium; Eugene, OR; May 2022.

Symposium Presentation “Quantifying Glacial Melt and Movement Using Remote Sensing in Greenland’s Sermilik Fjord;” University of Oregon Undergraduate Research Symposium; Eugene, OR; June 2022.