

Curriculum Vitæ

Thomas Hervey

Contact

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Education

2025 Ph.D. Geography, University of California, Santa Barbara
Thesis: “The Relevance of Granularity in Geospatial Open Data Search”
2018 M.A. Geography, University of California, Santa Barbara (4.0 GPA)
2014 B.S. Information Systems; B.A. Geography,
University of Maryland, Baltimore County (3.83 GPA)

Professional Experience

2020–2024 Jr., Sr. Product Engineer, Esri, Inc.
2018–2019 JavaScript Developer, OpenStreetMap (Google Summer of Code)
2017 Software Development Intern, Esri, Inc.
2013 Software Testing Intern, StormGeo, Inc.
2012 GIS Technician Intern, JMT, Inc.

Technical Skills

Product Development: ETL, geographic information retrieval (GIR), spatial catalog search and management
Web Development: JavaScript, TypeScript, Node.js, React, Python, R, Spatial Statistics

Publications

2025 (Under Review) Hervey, T., Perceived Relevance of Geospatial, Temporal, and Thematic Granularity of Search Results. ACM SIGSPATIAL ‘25.

- 2020 Thomas Hervey, Sara Lafia, and Werner Kuhn (2020). Search facets and ranking in geospatial dataset search. *11th International Conference on Geographic Information Science (GIScience 2021)-Part I (2020)*. Schloss-Dagstuhl-Leibniz Zentrum für Informatik. DOI: 10.4230/LIPIcs.GIScience.2021.I.5
- 2019 Sara Lafia, Jingyi Xiao, et al. (2019). Talk of the Town: Discovering Open Public Data via Voice Assistants (Short Paper). *14th International Conference on Spatial Information Theory (COSIT 2019)* 10, pp. 1–7
- 2018 Thomas Hervey and Werner Kuhn (2019). Using provenance to disambiguate locational references in social network posts. *International Journal of Geographical Information Science* 33.8, pp. 1594–1611. DOI: 10.1080/13658816.2018.1459627
- 2018 Thomas Hervey (2018). A Spatial Analytical Methods-first Approach to Teaching Core Concepts
- 2017 Thomas Hervey, Daniel Phillips, and Werner Kuhn (2018). Categorizing Cognitive Scales of Spatial Information. *Proceedings of Workshops and Posters at the 13th International Conference on Spatial Information Theory (COSIT 2017)*. Ed. by Paolo Fogliaroni, Andrea Ballatore, and Eliseo Clementini. Cham: Springer International Publishing, pp. 63–66
- 2016 Thomas Hervey and Werner Kuhn (2016). Deriving Locational Reference through Implicit Information Retrieval. *International Conference on GIScience Short Paper Proceedings*. Vol. 1. 1
- 2016 Nevena Golubovic et al. (2016). Extracting spatial information from social media in support of agricultural management decisions. *Proceedings of the 10th Workshop on Geographic Information Retrieval*, pp. 1–2
- 2016 Christopher Allen et al. (2016). Exploring the notion of spatial lenses. *Geographic Information Science: 9th International Conference, GIScience 2016, Montreal, QC, Canada, September 27-30, 2016, Proceedings 9*. Springer International Publishing, pp. 259–274

Workshops

- 2018 Teaching Geospatial Technologies to All (AGILE)
A workshop exploring conceptual bases for teaching geospatial technologies across disciplines
- 2017 Cognitive Scales of Spatial Information (COSIT)
Investigation of cognitive scale in spatial representations and computations

Conference Presentations and Posters

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| 2017 | Categorizing Cognitive Scales of Spatial Information
COSIT 2017, L'Aquila, Italy |
| 2016 | Deriving Locational Reference through Implicit Information Retrieval
GIScience 2016, Montreal, Canada |

Teaching Experience

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| 2015–2019 | Teaching Assistant, Department of Geography,
University of California, Santa Barbara
Introduction to GIS, Physical Geography, Geography of Surf |
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Select Graduate Coursework

Geographic Research Methods
Analytical Methods in Geography
Entrepreneurship

Awards

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| 2014 | GTU Geography Honors Society, UMBC |
| 2014 | GIScience and Web Development Outstanding Senior, UMBC |
| 2013 | NSF Research Experience for Undergraduates Scholar, UMBC |
| 2013 | Undergraduate Research Award, UMBC |

Select Projects

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| 2016 | Visualizing Book Adoption at the Seattle Public Library
https://www.thomashervey.net/projects/Visualizing_Book_Adoption |
| 2014 | Motion Tracking Dance Performance with OpenKinect
https://www.thomashervey.net/projects/Lights_Camera_Motion_Action |
| 2013 | Visualizing Early Baltimore
https://www.thomashervey.net/projects/Visualizing_Early_Baltimore |

Travel Awards

2017	Jack and Laura Dangermond Geography Travel Scholarship COSIT 2017, L'Aquila, Italy
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Professional Associations

2024–Present	Cloud Native Geospatial Forum (CNG)
2014–Present	Association of American Geographers (AAG)
2014–Present	Association for Computing Machinery (ACM)