Curriculum Vitæ
Thomas Hervey

Contact

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Education

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

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. In: *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). In: *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. In: *International Journal of Geographical Information Science* 33.8, pp. 1594–1611. DOI: `10.1080/13658816.2018.1459627`. eprint: `https://doi.org/10.1080/13658816.2018.1459627`
2018	Thomas Hervey (2018). A Spatial Analytical Methods-first Approach to Teaching Core Concepts. In
2017	Thomas Hervey, Daniel Phillips, and Werner Kuhn (2018). Categorizing Cognitive Scales of Spatial Information. In: *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. In: *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. In: *Proceedings of the 10th Workshop on Geographic Information Retrieval*, pp. 1–2
2016	Christopher Allen et al. (2016). Exploring the notion of spatial lenses. In: *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

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

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

Select Graduate Coursework

Geographic Research Methods

Analytical Methods in Geography

Entrepreneurship

Awards

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

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

Professional Associations

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