

LUIS FELIPE ALVAREZ LEÓN

Associate Professor of Geography ♦ Dartmouth College
Curriculum Vitae

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h-index: 17 | i10-index: 25 | Academic Age: 9.5 | [Google Scholar](https://scholar.google.com/citations?user=...) | ORCID 0000-0001-9888-4921
Last updated: April 1, 2026

ACADEMIC APPOINTMENTS

Dartmouth College, Hanover, NH

Department of Geography

Associate Professor of Geography (with tenure)

2024-present

Assistant Professor of Geography

2018-2024

Clark University, Worcester, MA

2018

Graduate School of Geography

Visiting Assistant Professor of Urban and Economic Geography

University of Southern California, Los Angeles, CA

2016-2018

Sol Price Center for Social Innovation, Sol Price School of Public Policy

Postdoctoral Scholar

OTHER APPOINTMENTS

United Nations Commission on Science and Technology for Development

Multi-Stakeholder Working Group on Data Governance at All Levels

Representative from Academia

2025-present

EDUCATION

University of California, Los Angeles

2016

Ph.D. in Geography (Focus on Economic Geography)

Dissertation: *Assembling Digital Economies: Geographic Information Markets and Intellectual Property Regimes in the United States and the European Union* ★★

Advisors: Allen J. Scott & Eric S. Sheppard

★ Awarded the 2017 Best Dissertation in Economic Geography by the

American Association of Geographers Economic Geography Specialty Group

★ Selected as UCLA's single nomination for the 2016-17 Council of Graduate Schools/ProQuest

Distinguished Dissertation Award in Social Sciences

University of California, Los Angeles

2011

M.A. in Geography

Thesis: *Uploading Hollywood: A Digital Economic Geography of Film Distribution*

Advisor: Allen J. Scott

UNAM, National University, México

2009

B.A. Hons. in English. Concentration in Critical Theory

FIELDS OF INTEREST

Economic Geography, Geospatial Data & Media, Information and Communication Technologies, Critical GIS, Digital Economy, Digital Infrastructure, Intellectual Property, Internet Governance, Information Policy, Geopolitics, Variegated Capitalism

Areas: North America (United States, Canada, México), European Union

A) Peer-reviewed monographs

2. **Alvarez León, L.F.** (2024). *The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism*. University of California Press.
URL: <https://www.ucpress.edu/book/9780520389328/the-map-in-the-machine>
1. Rosen, J. & **Alvarez León, L.F.** (2026). *The Digital Growth Machine: Cities and Technology in the 21st Century*. University of California Press (under contract).

B) Peer-reviewed edited collections

1. **Alvarez León, L.F.** & Aoyama, Y. (2026). (Eds.) *From Lithium to Lidar: Supply Chain Geographies of the Electric and Autonomous Vehicle Industry*. Palgrave Macmillan (under contract).

C) Peer-reviewed articles

30. **Alvarez León, L.F.**, Aoyama, Y. & Payne, G. (2026). "Supplier Network Geographies of the Electric and Autonomous Vehicle (EAV) Industry". *Progress in Economic Geography*, 4(1), 100072. DOI: <https://doi.org/10.1016/j.peg.2026.100072>
29. Roth, R.E., Kelly, M., Baldrice-Franklin, G., Rose, C., Steinberg, J., & **Alvarez León, L.F.** (2026). "Designing Maps in News Stories: A Longitudinal Visual Content Analysis of Cartographic Design in U.S. Data Journalism". *Cartographic Perspectives*. **Forthcoming**.
Impact factor: 0.64 (2025); H Index: 19 (2025)
28. Rosen, J., & **Alvarez León, L.F.** (2025). "The variegated hinterlands of the digital growth machine". *Dialogues in Human Geography*.
Impact factor: 9.6 (2025); H Index: 55 (2025)
DOI: <https://doi.org/10.1177/20438206251398554>
27. **Alvarez León, L.F.** (2024). "The Geospatial Information Market". *Geographic Information Science & Technology Body of Knowledge* (2024 Edition), John P. Wilson (Ed.). University Consortium for Geographic Information Science.
DOI: <https://doi.org/10.22224/gistbok/2024.1.18>
26. **Alvarez León, L.F.** & Rosen, J. (2024). "Land, Reconfigured: Defying the Laws of Physics, Upholding the Rules of the Market". In H. Faxon & D. Fields (Eds.) *Environmental Planning D: Society and Space*, 42(4), 449-589. Special Issue on Digital Transformations in Global Land, Housing and Property.
SSCI Journal Impact Factor: 2.9 (2024); H Index: 124 (2024)
DOI: <https://doi.org/10.1177/02637758241257115>
25. **Alvarez León, L.F.** (2024). "AI and Global Climate Change in Geographic Perspective". *Geo: Geography and Environment*. 11(1), e00134.
SSCI Journal Impact Factor: 2.2 (2023); H Index: 18 (2023)
DOI: <https://doi.org/10.1002/geo2.134>
24. Bennett, M., Gleason, C., Tellman, B., **Alvarez León, L.F.**, Friedrich, H.K., Ovenmhada, U. & Mathews, A. (2024). "Bringing satellites down to Earth: Six Steps to More Ethical Remote Sensing". *Global Environmental Change Advances* 2, 100003.
DOI: <https://doi.org/10.1016/j.gecadv.2023.100003>
23. Rosen, J., & **Alvarez León, L.F.** (2023). "Signaling Hinterlands and the Spatial Networks of Digital Capitalism". *Annals of the American Association of Geographers*, 1–13.
SSCI Journal Impact Factor: 3.9 (2022); H Index: 130 (2022)
DOI: <https://doi.org/10.1080/24694452.2023.2249974>

22. Rosen, J. & **Alvarez León, L.F.** (2022). "The Digital Growth Machine: Urban Change and the Ideology of Technology". *Annals of the Association of American Geographers*.
SSCI Journal Impact Factor: 4.683 (2020); H Index: 116 (2020)
DOI: <https://doi.org/10.1080/24694452.2022.2052008>
21. **Alvarez León, L.F.** & Aoyama, Y. (2022). "Industry Emergence and Market Capture: The Rise of Autonomous Vehicles". *Technological Forecasting and Social Change*.
SSCI Journal Impact Factor: 12 (2022); H Index: 155 (2022)
DOI: <https://doi.org/10.1016/j.techfore.2022.121661>
20. Bennett, M., Chen, K.J., **Alvarez León, L.F.** & Gleason, C.J. (2022). "The politics of pixels: A review and agenda for critical remote sensing". January 2022. *Progress in Human Geography*.
SSCI Journal Impact Factor: 10.2 (2021); H Index: 156 (2022)
DOI: <https://doi.org/10.1177/03091325221074691>
19. **Alvarez León, L.F.** (2021). "Artificial Intelligence and the Capitalist Space Economy". *Space and Polity*, 25(2), 220-236.
SSCI Impact Factor: 1.61 (2021); SJR Indicator: 0.614 (2021)
DOI: <https://www.tandfonline.com/doi/abs/10.1080/13562576.2021.1985852>
18. Aoyama, Y. & **Alvarez León, L.F.** (2021). "Urban Governance and Autonomous Vehicles". *Cities. The International Journal of Urban Policy and Planning*, 119(2021), 1-10.
SSCI Impact Factor: 6.077 (2021); SJR Indicator: 1.656 (2021)
DOI: <https://doi.org/10.1016/j.cities.2021.103410>
17. **Alvarez León, L.F.** (2021). "Digital trade and the remaking of the North American regional economy". *Investigaciones Regionales - Journal of Regional Research*. Issue 50 - Summer 2021. 59-69.
SJR Indicator: 0.28 (2020); H Index: 14 (2020)
URL: <https://investigacionesregionales.org/en/article/digital-trade-and-the-remaking-of-the-north-american-regional-economy/>
16. **Alvarez León, L.F.** & Rosen, J. (2020). "Technology as Ideology in Urban Governance". *Annals of the American Association of Geographers*, 110(2), 497-506.
SSCI Journal Impact Factor: 4.683 (2020); H Index: 116 (2020)
DOI: <https://doi.org/10.1080/24694452.2019.1660139>

Republished as
Alvarez León, L.F. & Rosen, J. (2021). "Technology as Ideology in Urban Governance". In L. Bian (Ed.), *Smart Spaces and Places*. Routledge.
URL: <https://www.routledge.com/Smart-Spaces-and-Places/Bian/p/book/9780367703547>
15. **Alvarez León, L.F.** & Quinn, S. (2019). "Street-level imagery". Peer-reviewed article for *Geographic Information Science & Technology Body of Knowledge*. University Consortium for Geographic Information Science.
DOI: [10.22224/gistbok/2019.4.12](https://doi.org/10.22224/gistbok/2019.4.12)
14. Tarr, A. & **Alvarez León, L.F.** (2019). "Will Review for Points: The Unpaid Affective Labor of Place-making for Google's *Local Guides*". *Feminist Review*, 123 (1). 89-105.
SSCI Journal Impact Factor: 1.55 (2017); H Index: 38 (2017)
DOI: <https://doi.org/10.1177/0141778919879763>
13. Quinn, S. & **Alvarez León, L.F.** (2019). "Every Single Street? Rethinking Full Coverage Across Street-Level Imagery Platforms". *Transactions in GIS*, 23(6), 1251-1272.
SSCI Journal Impact Factor: 1.91 (2017); H Index: 50 (2017)
DOI: <https://doi.org/10.1111/tgis.12571>

12. **Alvarez León, L.F.** (2019). "How cars became mobile spatial media: A geographical political economy of onboard navigation". *Mobile Media & Communication*, 7(3). 362-379.
SSCI Journal Impact Factor: 1.622 (2017); H Index: 15 (2017)
DOI: <https://doi.org/10.1177/2050157919826356>
★ Winner of the 2020 Stan Brunn Top Paper Award, American Association of Geographers, Media & Communication Geography Specialty Group.
11. **Alvarez León, L.F.** (2019). "Eyes on the Road: Surveillance Logics in the Autonomous Vehicle Economy". *Surveillance & Society*, 17(1/2). 198-204.
SJR Indicator: 0.997 (2017); H Index: 36 (2017)
DOI: <https://doi.org/10.24908/ss.v17i1/2.12932>
10. **Alvarez León, L.F.** (2019). "Counter-mapping the Spaces of Autonomous Driving". *Cartographic Perspectives*, 92, 10-23.
SJR Indicator: 0.229 (2017); H Index: 10 (2017)
DOI: <https://doi.org/10.14714/CP92.1450>
9. **Alvarez León, L.F.** & Quinn, S. (2019). "The Value of Crowdsourced Street-Level Imagery: Examining the Shifting Property Regimes of OpenStreetCam and Mapillary". *GeoJournal*, 84(2), 395-414.
SJR Indicator: 0.503 (2017); H Index: 54 (2017)
DOI: <https://doi.org/10.1007%2Fs10708-018-9865-4>
8. **Alvarez León, L.F.**, Christophers, B., & Yu, L. (Eds.), (2018). "Introduction". In **L.F. Alvarez León**, B. Christophers, and L. Yu (Eds.) "The Spatial Constitution of Markets" [Special Issue]. *Economic Geography*, 94(3), 211-216.
SSCI Journal Impact Factor: 6.438 (2017); H Index: 71 (2017)
DOI: <https://doi.org/10.1080%2F00130095.2018.1441710>
7. **Alvarez León, L.F.** (2018). "Information Policy Regimes and the Spatial Constitution of Digital Geographic Information Markets". In **L.F. Alvarez León**, B. Christophers, and L. Yu (Eds.) "The Spatial Constitution of Markets" [Special Issue]. *Economic Geography*. 94(3), 217-237.
SSCI Journal Impact Factor: 6.438 (2017); H Index: 71 (2017)
DOI: <https://doi.org/10.1080%2F00130095.2017.1388161>
6. **Alvarez León, L.F.** (2018). "A blueprint for market construction? Spatial data infrastructure(s), interoperability, and the EU Digital Single Market". *Geoforum*, 92, 45-57.
SSCI Journal Impact Factor: 2.566 (2017); H Index: 90 (2017)
DOI: <https://doi.org/10.1016%2Fj.geoforum.2018.03.013>
5. **Alvarez León, L.F.** (2018). "The Political Economy of Spatial Data Infrastructures". *The International Journal of Cartography*, 4(2) 151-169.
DOI: <https://doi.org/10.1080%2F23729333.2017.1371475>.
4. **Alvarez León, L.F.** & Gleason, C.J. (2017). "Production, Property, and the Construction of Remote Sensing Data". *Annals of the American Association of Geographers*, Methods, Models, and GIS Section, 107(5), September, 1075-1089.
SSCI Journal Impact Factor: 2.097 (2017); H Index: 96 (2017)
DOI: <https://doi.org/10.1080%2F24694452.2017.1293498>
3. **Alvarez León, L.F.** (2016). "Property Regimes and the Commodification of Geographic Information: an Examination of Google Street View". *Big Data & Society*, 3(3), 1-13.
SSCI Journal Impact Factor: 5.9 (2024); SJR Indicator: 2.207 (2024)
DOI: <https://doi.org/10.1177%2F2053951716637885>.

2. **Alvarez León, L.F.** (2015). "The Digital Economy and Variegated Capitalism". *Canadian Journal of Communication*, 40(4), 637-654.
SJR Indicator: 0.12 (2017); H Index: 2 (2017)
URL: <http://cjc-online.ca/index.php/journal/article/view/2952/2670>.
★ Winner of the 2015 UCLA Geography Department Graduate Student Publication Award.
1. León-Manríquez, J.L., and **Alvarez, L.F.** (2014). "Mao's steps in Monroe's backyard: towards a United States-China hegemonic struggle in Latin America?". *Revista Brasileira de Política Internacional*, 57(spe), 9-27.
SSCI Journal Impact Factor: 0.906 (2017); H Index: 11 (2017)
DOI: <https://doi.org/10.1590%2F0034-7329201400202>

D) Essays, commentaries, and other publications in peer-reviewed journals

2. **Alvarez León, L.F.** (2024). "Behind the Wheel in the Driverless City: Autonomous Vehicle Mobilities and Regulatory Challenges". Invited, editor-reviewed essay in *Transfers: Interdisciplinary Journal of Mobility Studies*, 13(3), 92-102.
H Index: 14 (2024) DOI: <https://doi.org/10.3167/TRANS.2023.130309>
1. **Alvarez León, L.F.** (2022). "From glitch epistemologies to glitch politics". Invited, editor-reviewed commentary in *Dialogues in Human Geography*, 12(3).
SSCI Journal Impact Factor: 27 (2021); H Index: 35 (2021)
DOI: <https://doi.org/10.1177/20438206221102951>

E) Edited journal special issues

1. **L.F. Alvarez León**, B. Christophers, & L. Yu (Eds.), (2018). The Spatial Constitution of Markets [Special Issue], 94(3). *Economic Geography*.
SSCI Journal Impact Factor: 6.438 (2017); H Index: 71 (2017)
URL: <https://www.tandfonline.com/toc/recg20/94/3>

F) White papers

1. Goodchild, M., Appelbaum, R., Crampton, J., Herbert, W., Janowicz, K., Kwan, M.-P., Michael, K., **Alvarez León, L.F.**, Bennett, M., Cole, D., Currier, K., Fast, V., Hirsch, J., Kattenbeck, M., Kedron, P., Kerski, J., Liu, Z., Nelson, T., Shulruff, T., Sieber, R.E., Wertman, J., Wilmott, C., Zhao, B., Zhu, R., Nilupaer, J., Dony, C.C., Langham, G. (2022). "A White Paper on Locational Information and the Public Interest". *American Association of Geographers*.
DOI: <https://doi.org/10.14433/2017.0113>.

G) Peer-reviewed book chapters

3. Aoyama, Y. & **Alvarez León, L.F.** (2024). "Autonomous Vehicles and Multiscalar Regulatory Contexts: Evidence from cities in the United States". Invited peer-reviewed chapter in S. Brail & B. Donald (Eds.) *Urban Mobility: how the iPhone, COVID and Climate Changed Everything*, 243-260. Toronto: University of Toronto Press.
2. **Alvarez León, L.F.** (2022) "An emerging satellite ecosystem and the changing political economy of remote sensing". Peer-reviewed chapter in J.E. Goldstein & E. Nost (Eds.). *The Nature of Data: Infrastructures, Environments, Politics*. Lincoln, NE: University of Nebraska Press.
1. **Alvarez León, L.F.** (2019). "Artificial Intelligence at the Intersection of Education and Industry". Peer-reviewed chapter in T. Jules & F. Salajan (Eds.). *The Educational Intelligent Economy: Artificial Intelligence, Machine Learning and the Internet of Things in Education*. International Perspectives on Education and Society (IPES). Vol. 38. 179-196. Leeds, UK: Emerald Publishing.
URL: <https://books.emeraldinsight.com/page/detail/The-Educational-Intelligent-Economy/?k=9781787548534>

H) Book chapters

10. **Alvarez León, L.F.** & Wright, J. (2027). “Artificial Intelligence, the Data Center Boom, and the Promise of Development Across the Malaysia-Singapore Borderland”. In Cowell, M., Kinossian, N., Lang, T., Rousseau, M. & A. Sood. (Eds.), *A Handbook on Local and Regional Development (2nd Edition)*. Abingdon, UK: Routledge. **Accepted**.
9. **Alvarez León, L.F.** & Aoyama, Y. (2025). “Industry Emergence and Market Capture: The Rise of Autonomous Vehicles”. In C. López-Escolano, R. Mecha-López, A. Vera (Eds.), *Value Chains and the Remaking of Urban and Regional Spaces: Case Studies from the USA, Latin America, and Spain*, 1–22. Cham: Springer Nature Switzerland.
DOI: https://doi.org/10.1007/978-3-032-01602-7_1
8. **Alvarez León, L.F.** (2025). “Digital Trade in North America”. Invited chapter for G. Anderson, & C. Kukucha (Eds.), *The Elgar Companion to North American Integration*, 169-178. Cheltenham, UK: Edward Elgar.
7. Bennett, M., Faxon, H., **Alvarez León, L.F.**, Gleason, C., Tellman, B. (2024). “For remote sensing in political geography: Scalar flexibility, the ethics of exposure, and critiques of the state”. In Menga, F., Grove, K., Nagel, C., & K. Peters. (Eds.). *Political Geography in practice: methods, theories and methodologies*, 135-158. London and New York: Palgrave Macmillan.
6. **Alvarez León, L.F.** (2024). “Assembling the geographic information market in the United States”. *Knowledge and Digital Technology: Spatial Relations in a Digital Age*. Vol. 19 in Springer Series. *Knowledge and Space*, 131-151. Cham, Switzerland: Springer.
URL: <https://link.springer.com/book/9783031391002>
5. **Alvarez León, L.F.** & Rosen, J. (2021). “Technology as Ideology in Urban Governance”. In L. Bian (Ed.), *Smart Spaces and Places*, 166-175. Abingdon, UK: Routledge.
URL: <https://www.routledge.com/Smart-Spaces-and-Places/Bian/p/book/9780367703547>
4. León-Manríquez, J.L. & **Alvarez León, L.F.** (2019). “The geography of Mexico’s integration in the Pacific and the long shadow of NAFTA”. In J. Briceño-Ruiz & P. De Lombaerde (Eds.), *The Political Economy of New Regionalisms in the Pacific Rim*. The International Political Economy of New Regionalisms Series, 120-142. Abingdon, UK: Routledge. DOI: <https://doi.org/10.4324/9780429490354>
3. **Alvarez León, L.F.** (2019). “The emergence of Netflix and the new digital economic geography of Hollywood”. In A.S. Buck & T. Plothe, (Eds.). *Netflix at the Nexus: Content, Practice, and Production in the Age of Streaming Television*. Bern, Switzerland: Peter Lang.
DOI: <https://doi.org/10.3726/b14725>
2. **Alvarez León, L.F.** (2017). “Researching the Property Regimes of Geographic Information”. *SAGE Research Methods Cases*. Thousand Oaks, CA: SAGE.
URL: <http://methods.sagepub.com/case/researching-the-property-regimes-of-digital-information>
1. Ashraf, C. & **Alvarez León, L.F.** (2016). “The Logics and Territorialities of Geoblocking”. In R. Lobato & J. Meese (Eds.), *Geoblocking and Global Video Culture*, 42-53. Amsterdam: Institute of Networked Cultures.
URL: <http://networkcultures.org/wp-content/uploads/2016/01/TOD18-Geoblocking-Final1.pdf>.

I) Encyclopedia entries

3. **Alvarez León, L.F.** (2020). “Automation”. In A. Kobayashi et al (Eds.). *International Encyclopedia of Human Geography, 2nd Edition*, 249-254. Amsterdam: Elsevier
DOI: <https://doi.org/10.1016/B978-0-08-102295-5.10512-8>

2. **Alvarez León, L.F.** (2015). "Copyrights". In F. Wherry & J. Schor. (Eds.), *The SAGE Encyclopedia of Economics and Society*, 458-460. Thousand Oaks, CA: SAGE.
DOI: <https://dx.doi.org/10.4135/9781452206905.n181>
1. **Alvarez León, L.F.** (2015). "Fair Use". In F. Wherry & J. Schor. (Eds.), *The SAGE Encyclopedia of Economics and Society*, 669-670. Thousand Oaks, CA: SAGE.
DOI: <https://dx.doi.org/10.4135/9781452206905.n265>

J) Book reviews

6. **Alvarez León, L.F.** (2025). Review: "What We Talk About When We Talk About Uber" .
Invited contribution to book review forum on *Disrupting D.C.: The Rise of Uber and the Fall of the City* by Wells, K, Attoh, K., and Cullen, D. Princeton University Press, 2023. *Dialogues in Human Geography*. February 25.
5-year JCR Impact Factor: 16.4 (2025); SJR Indicator 1.650 (2025)
DOI: <https://doi.org/10.1177/20438206251321090>
5. **Alvarez León, L.F.** Alvarez Leon, L. F. (2023). Book Review of *Data Power: Radical Geographies of Control and Resistance* by Jim E. Thatcher and Craig M. Dalton. *Antipode*. January 26.
SCR Impact Factor: 5.04 (2021); H Index: 115 (2022) URL:
https://antipodeonline.org/wp-content/uploads/2023/01/4.-Data-Power-forum_AlvarezLeon.pdf.
4. **Alvarez León, L.F.** (2019). Review: *Digital Objects. Digital Subjects. Interdisciplinary Perspectives on Capitalism, Labor and Politics in the Age of Big Data*. Edited by David Chandler and Christian Fuchs. *Environment and Planning D: Society and Space*. October 28.
SJR Indicator: 1.994 (2018); H Index: 93 (2018).
URL: <http://societyandspace.org/2019/10/28/digital-objects-digital-subjects-edited-by-david-chandler-and-christian-fuchs/>.
3. **Alvarez León, L.F.** (2018). Review: "*Economic Geography. A Critical Introduction*. Trevor J. Barnes and Brett Christophers". *Economic Geography*, 94(5).
SSCI Journal Impact Factor: 6.438 (2017); H Index: 93 (2017)
DOI: <https://doi.org/10.1080/00130095.2018.1505428>
2. **Alvarez León, L.F.** (2017). "Architectures of the Information Age". Review essay of *Information Doesn't Want to be Free* by Cory Doctorow and *Interop* by John Palfrey and Urs Gasser. *Journal of Cultural Economy*, 10(2), 217-222.
SSCI Journal Impact Factor: 0.944 (2017); H Index: 18 (2017)
DOI: <https://doi.org/10.1080/00130095.2016.1242432>
1. **Alvarez León, L.F.** (2016). Review: "*Society & the Internet*. Mark Graham and William H. Dutton (Eds.)". *Environment and Planning B: Planning and Design*, November 15, 1-2.
SSCI Journal Impact Factor: 2.046 (2017); H Index: 74 (2017)
DOI: <https://doi.org/10.1177/00130095.2016.1242432>

K) Other Publications

1. **Alvarez León, L.F.** (2024). "Page 99 Test: The Map in the Machine". *The Page 99 Test*.
URL: <http://page99test.blogspot.com/2024/06/luis-felipe-alvarez-leons-map-in-machine.html>.

L) Under Review

4. Wittekind, C., Resor, E., Rosen, J., Faxon, H., Kintzi, K., Migozzi, J., **Alvarez León, L.F.** & Fields, D. "Scams all the Way Up: The Scam as Vernacular Analytic of Digital Capitalism".
Revise and Resubmit.
3. Kelly, M, **Alvarez León, L.F.** & Chen, J. , "Power and Pixels: Black Feminist Thought and Space Journalism". **Revise and Resubmit.**

2. Aoyama, Y., **Alvarez León, L.F.**, & Wang, S., “The geopolitics of the ‘hinge-state’: Path creation of the electric vehicle (EV) industry in Hungary, Mexico and Thailand”. **Revise and Resubmit.**
1. **Alvarez León, L.F.**, Spang, A. & Jha, I., “When COVID-19 Brought Tech to Miami: Urban Transformation, Climate Risk, and the Birth of an Industrial Cluster”. *Invited Resubmission to The Professional Geographer*. **Revise and Resubmit.**

M) In Preparation

1. **Alvarez León, L.F.**, Aoyama, Y. & Wang, S., “The Geography of Merger and Acquisitions (MAs) and Research and Development (RD) Alliances: China’s technological leadership in the Electric and Autonomous Vehicle (EAV) industry”.

DIGITAL PLATFORMS

1. “Neighborhood Data for Social Change”. (2017). USC Sol Price Center for Social Innovation. First collaborative mapping, visualization, and storytelling open data platform focused on the neighborhoods of Los Angeles, CA. Conceptual architecture, implementation, and team leadership. URL: <https://la.myneighborhooddata.org/>

GRANTS, AWARDS & RECOGNITIONS

National Fellowship on the Future of Liberal Education <i>NFFLE & Teagle Foundation</i>	2026 — 2028
Elected to the UN CSTD Multi-Stakeholder Working Group on Data Governance at All Levels <i>United Nations Commission on Science and Technology for Development</i>	2025 —
Nomination to the National Geospatial Data Advisory Committee <i>Office of Spatial Analysis and Visualization, Bureau of Transportation Statistics, U.S. Department of Transportation</i>	2024
Petitt Family Fellowship <i>Dartmouth College Faculty of Arts and Sciences</i>	2024 \$2,000 USD
Karen E. Wetterhahn Memorial Award for Distinguished Creative or Scholarly Achievement <i>Dartmouth College Faculty of Arts and Sciences</i>	2024 \$1,500 USD
JustX Grant <i>Wright Center for the Study of Computation and Just Communities</i>	2022-2023 \$25,000 USD + 4,000 USD in Research Assistant funds
Stan Brunn Top Paper Award <i>American Association of Geographers, Media & Communication Geography Specialty Group</i>	2020 \$150 USD
Walter and Constance Burke Research Initiation Award <i>Dartmouth College Faculty of Arts and Sciences</i>	2018 \$12,500 USD
Best Dissertation in Economic Geography <i>American Association of Geographers, Economic Geography Specialty Group</i>	2017 \$500 USD

Postdoctoral Research Fellowship <i>USC-CONACYT</i>	2016-2018 \$136,000 USD
Dissertation selected as UCLA's single nomination for the 2016-17 CGS/ProQuest Distinguished Dissertation Award in Social Sciences <i>UCLA Department of Geography, UCLA Vice Provost/Dean</i>	2016
First Place, UCLA Kurnitz Writing Award <i>UCLA Dashew Center for International Students and Scholars</i>	2016 \$2,500 USD
Princeton CITP and University of Vienna Doctoral Workshop (declined) <i>University of Vienna, Austria</i> Selected Participant	2016
Dissertation Year Fellowship <i>UCLA Graduate Division</i>	2015-2016 \$20,500 USD plus tuition and fees
CONACYT-UC MEXUS Doctoral Grant <i>CONACYT & UC MEXUS</i>	2011-2016 \$60,000 USD plus tuition and fees
Graduate Student Publication Award <i>UCLA Department of Geography</i>	2015 \$200 USD
Summer Institute in Economic Geography <i>University of Frankfurt, Germany</i>	2014 \$250 USD
AAG Economic Geography Specialty Group Travel Award <i>Association of American Geographers</i>	2014 \$250 USD
CIBER Summer Doctoral Institute (declined) <i>George Washington University, Washington D.C.</i> Selected Participant	2013
Honorable Mention, UCLA Kurnitz Writing Award <i>UCLA Dashew Center for International Students and Scholars</i>	2013
Fulbright-Garcia Robles Fellowship <i>Mexico-U.S. Commission for Educational and Cultural Exchange</i>	2009-2012 \$45,000 USD plus tuition
UCLA Graduate Division Award <i>UCLA Graduate Division</i>	2009-2010 \$49,351 USD in tuition and fees

PEER-REVIEWED CONFERENCE ABSTRACTS

- European Cartographic Conference EuroCarto 2022** September 19-21, 2022
Vienna University of Technology, Vienna, Austria
Kelly, M; Chen, J. & **Alvarez Leon, L.F.** "Digital Storytelling from Above"

INVITED TALKS

- First Friday Ideas Salon** March 6, 2026
Los Angeles, CA (Remote)
"The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism"

22. **University of Kentucky**
Department of Geography
Lexington, KY (Remote)
 April 17, 2025
 “The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism”

21. **Dartmouth College**
Dean of Faculty
Hanover, NH
 April 9, 2025
 “Annual Staff Diversity Lecture”

20. **University at Buffalo**
Department of Geography
Buffalo, NY
 March 8, 2025
 “The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism”

19. **Boston Public Library - Leventhal Map Education Center**
Boston, USA (Remote)
 January 14, 2025
Processing Place Series:
 “The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism”
<https://www.youtube.com/watch?v=pATfZ6KcJUI>

18. **Federal Geographic Data Committee**
Geospatial Transportation Subcommittee
Critical Geography and Modernizing the
National Spatial Reference System
Remote
 November 4, 2024
 “HD Maps, Autonomous Navigation, and Geopolitics”

17. **Ludwig Maximilian University**
Department of Geography
Munich, Germany
 October 7, 2024
 “The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism”

16. **National University of Singapore**
Department of Sociology and Anthropology
Singapore
 September 4, 2024
 “The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism”

15. **Singapore Management University**
College of Integrative Studies
Singapore
 September 2, 2024
 “The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism”

14. **Dartmouth College**
Hanover, NH
 August 2, 2024
 “Algorithmic Bias Panel”

13. **Dartmouth College**
Hanover, NH
 March 29, 2024
 “GIS & Surveillance Imagery Ethics Panel”

12. **University of Massachusetts, Boston**
Sustainable Solutions Network February 3, 2023
Boston, MA (Remote)
 “Boom & Flood: Climate- and technology-driven urban transformation in Miami Dade County”.
 Presented with Dr. Emma Colven (University of Oklahoma, Global Environment).

11. **University of California, Berkeley**
Public Panel: Social Science Matrix Group on Digital Transformations
in Global Land, Housing, and Property April 27, 2022
Remote
 “Land in the Metaverse, the Digital Growth Machine, and Signaling Hinterlands”

10. **University of California, Berkeley**
Social Science Matrix Group on Digital Transformations in
Global Land, Housing, and Property November 17, 2021
Remote
 “The Digital Growth Machine and its Hinterlands”

9. **University of Nevada, Reno**
Department of Geography Colloquium November 10, 2021
Remote
 “The Digital Growth Machine: Urban Change and the Ideology of Technology”

8. **Centre for Data Ethics and Innovation (UK)** July 30, 2021
London, UK (Remote)
 “Ethical Dimensions of Autonomous Vehicles”

7. **Boston Public Library - Leventhal Map Education Center** May 20, 2021
Boston, USA (Remote)
Angles on Bending Lines Series:
 “Maps, Geospatial Data, and the Digital Economy”
https://www.youtube.com/watch?v=xx_zpMeiAt=1256s

6. **UC Berkeley Geography Colloquium** December 2020
Berkeley, USA (Remote)
 “Spatial reflections on the construction of an autonomous vehicle market”

5. **Intelligent Transportation Society of California (ITSCA)**
Young Professionals Group (YPG) October 2020
Los Angeles, USA (Remote)
Surveillance and the Smart City Forum: “Autonomous Vehicles
 and the Surveillance Economy”

4. **University of Massachusetts, Amherst**
Department of Civil and Environmental Engineering November 2019
Amherst, USA
Transportation Seminar Featured Speaker:
 “How Cars Became Mobile Spatial Media: A Geographical Political Economy
 of On-Board Navigation”

3. **Hofstra University Mu Kappa Geography Honors Society Induction** May 2018
Long Island, USA
Invited Keynote Speaker: “From Streetscapes to Navigable Landscapes: Crowdsourcing and Contesting the Spaces of Autonomous Driving”
2. **Clark University Graduate School of Geography Colloquium Series** March 2018
Worcester, USA
Invited Colloquium Speaker: “Virtual landscapes and automated spaces: commodification and contestation in the (geospatial) digital economy”
1. **Cosmopolis Centre for Urban Research** September 2015
Vrije Universiteit Brussel, Department of Geography, Brussels, Belgium
Invited Lecture: “Intellectual Property Regimes and the Spatial Constitution of Geographic Information Markets”

INVITED PARTICIPATION

8. **Big Data & Society**
BD&S Colloquium Panel 4:
Political Economy of Remote Sensing Data November 21, 2024
Remote
 “The Rise, Fall, and Afterlife of Space SPACs”
7. **Tübingen University**
Forum for Science and Humanities October 7-11, 2024
Tübingen, Germany
 “Autumn School: Networks – An Interdisciplinary Perspective on Connectivity”
6. **Digital Transformations in Global Land, Housing, and Property: A mini-workshop.**
Co-sponsored by UC Berkeley Department of Geography and Global Metropolitan Studies Program, and The University of Sydney School of Architecture, Design and Planning March 21-22, 2023
Boulder, CO
 Participant and Facilitator
 “Mapping the Field”
5. **The American Association of Geographers (AAG),**
The Center for Spatial Studies at the University of California, Santa Barbara,
and ESRI
Summit on Locational Information and the Public Interest June 26-29, 2022
Santa Barbara, CA/Remote
 “Commentary for Goal 1: A research agenda” “Discussion Group for Goal 3: A pathway that could lead to better “public” understanding of federal and state regulations”
4. **Institute of Geography, Heidelberg University, Germany**
19th Symposium: Knowledge and Digital Technology:
Spatial Relations in a Digital Age May 4, 2022
Remote
 “Assembling the geographic information market in the United States”

3. **American Association of Geographers** February 2021
Washington, DC, USA (Remote)
EthicalGeo Seminar Series: “Ethical Spatial Analytics”
<https://aag-geoethics-series.secure-platform.com/a/solicitations/10/sessiongallery/206>
2. **University of Guelph Department of Geography** October 2019
Guelph, Canada
Invited Participant: “Digital Geographies Workshop” Discussant: “Methods and Methodologies in Digital Geography”
1. **Oxford Internet Institute, Summer Doctoral Programme** July 2015
University of Oxford, Oxford, UK
 “What Makes a Map and Who Owns it? Property Regimes and Commodification in the Geoweb”
- Summer Institute in Economic Geography** July 2014
University of British Columbia & University of Frankfurt *Frankfurt, Germany*

CONFERENCE PARTICIPATION & ORGANIZATION

27. **Association of American Geographers Annual Meeting** March 17-21, 2026
San Francisco, CA
 Co-Organizer
 “Platforming Urban Space 1”
 “Platforming Urban Space 2”
 Author:
 “Platforming Mexico City: Between the Hinge State and the Digital Growth Machine”
 Co-Author:
 “The statecraft under disrupted globalization: How geo-economics is shaping the emergence of the electric vehicle (EV) and battery industries in Hungary, Mexico and Thailand”
 (Presented by Yuko Aoyama, Clark University)
 Session: “Shifting Globalization? Firms, Communities, and Regions III: Disruption and Disconnection”
26. **Global Conference in Economic Geography** June 4-7, 2025
Worcester, MA
 Member of the local organizing committee
 Panel co-organizer and moderator: “AI in Economic Geography”
25. **Association of American Geographers Annual Meeting** March 24 - 28, 2025
Detroit, MI
 Co-Organizer & Discussant
 “Technology, Power, & The City 1: Foundations of Urban Technology”
 “Technology, Power, & The City 2: Urban Circulation and Platforms”
 “Technology, Power, & The City 3: Technology, Power, and the City: 3 - AI and the Public Sphere”
 Co-Author (presenting): “Platforms, Pandemic, and Digital Transformation in Mexico City”
 Session: “Technology, Power, & The City 2: Urban Circulation and Platforms”
 Co-Author (non-presenting): “From Hollywood to Silicon Beach: The Disruption of the Los Angeles Economy through the Digital Growth Machine”
 Session: “Technology, Power, & The City 1: Foundations of Urban Technology”

Panelist: “Urban political economy in/for the 21st century 4: Locating “new” urban political economies of the current conjuncture”

Panelist: “Media Matter(s) in Geography 3”

24. **Association of American Geographers Annual Meeting** March 23 - 27, 2023
Denver, CO

Co-Organizer

“Geographies of Digital Capitalism 1: Land”

“Geographies of Digital Capitalism 2: Labor”

“Geographies of Digital Capitalism 3: Property”

“Geographies of Digital Capitalism 4: Capital”

Co-Organizer & Panelist

“Geographies of Digital Capitalism 5: Discussion - Boom, Bust, Hype, and Scam”

Co-Author: “Variegated Hinterlands of the Digital Growth Machine”

(Presented by Jovanna Rosen, Rutgers-Camden)

Session: “Geographies of Digital Capitalism 1: Land”

23. **Association of American Geographers Annual Meeting** March 24 - 28, 2024
Detroit, MI

Co-Organizer & Discussant

“Technology, Power, & The City 1: Foundations of Urban Technology”

“Technology, Power, & The City 2: Urban Circulation and Platforms”

“Technology, Power, & The City 3: Technology, Power, and the City: 3 - AI and the Public Sphere”

Co-Author (presenting): “Platforms, Pandemic, and Digital Transformation in Mexico City”

Session: “Technology, Power, & The City 2: Urban Circulation and Platforms”

Co-Author (non-presenting): “From Hollywood to Silicon Beach: The Disruption of the Los Angeles Economy through the Digital Growth Machine”

Session: “Technology, Power, & The City 1: Foundations of Urban Technology”

Panelist: “Urban political economy in/for the 21st century 4: Locating “new” urban political economies of the current conjuncture”

Panelist: “Media Matter(s) in Geography 3”

22. **Association of American Geographers Annual Meeting** April 16 - 20, 2024
Honolulu, HI

Co-Organizer & Discussant (Virtual)

“Orbital and Off-World Geopolitics I (In-Person)”

“Orbital and Off-World Geopolitics II (Virtual)”

Co-Organizer

“Geography of Mobility Transition I: Policy Transition”

“Geography of Mobility Transition II: Industrial Transition”

“Geography of Mobility Transition I: Inclusive Transition”

Co-Author (non-presenting): “How Electric and Autonomous Vehicle Technologies are Transforming the Automobile Industry: A comparative analysis of supplier networks of Ford, Toyota, Tesla and BYD”

Session: “Geography of Mobility Transition II: Industrial Transition”

21. **Digital Geographic Movements and Methods Workshop** June 20-23, 2023
Calgary, AB

Co-organizer and Panelist
“Connecting the past and the future”

20. **Association of American Geographers Annual Meeting** March 23 - 27, 2023
Denver, CO
Co-Organizer
“Geographies of Digital Capitalism 1: Land”
“Geographies of Digital Capitalism 2: Labor”
“Geographies of Digital Capitalism 3: Property”
“Geographies of Digital Capitalism 4: Capital”
Co-Organizer & Panelist
“Geographies of Digital Capitalism 5: Discussion - Boom, Bust, Hype, and Scam”
Co-Author: “Variegated Hinterlands of the Digital Growth Machine”
(Presented by Jovanna Rosen, Rutgers-Camden)
Session: “Geographies of Digital Capitalism 1: Land”
19. **Association of American Geographers Annual Meeting** February 25 - March 5, 2022
NYC, USA (Remote)
Panelist
Session: “Author meets Comrades: Data Power, Radical Geographies of Control and Resistance”
Panelist
Session: “Celebrating Helga Leitner and Eric Sheppard 3: Reflections on Mentoring, Advising, and Collaboration”
Discussant
Session: “Feeding the Digital Growth Machine 2: City of data, data of the city”
★ Part of a five-session series organized around my co-authored article: Rosen, J. & **Alvarez León, L.F.** (2022). “The Digital Growth Machine: Urban Change and the Ideology of Technology”. *Annals of the Association of American Geographers*.
18. **American Geophysical Union 2021 Fall Meeting** December 15, 2021
New Orleans, LA (Remote)
Presenter: “Perceptions, Practices, and the Political Economy of Remote Sensing”
Session: “Translating Critical Remote Sensing for the Geosciences: Politics, Ethics, Economics, Empowerment, and Other Important Issues”
17. **IX Jornada Académica Internacional sobre Corea, Universidad de Colima, Mexico** September 3, 2021
Colima, Mexico (Remote)
Presenter: “South Korea’s strategies in the automobile industry: Continuity or change?”
16. **University of Siegen** May 5, 2021
Siegen, Germany (Remote)
Geomedia 2021 Conference, Platform Automobility Panel:
“Where is the Autonomous Vehicle Market?”
15. **Association of American Geographers Annual Meeting** April 2021
Seattle, USA (Remote)
Co-organizer and discussant (with Hilary Faxon, University of California, Berkeley)
Session: “Towards Global Justice in Digital Geography”
Panelist
Session: “Computational Praxis for Social Justice”

14. **Association of American Geographers Annual Meeting** April 2019
Washington, DC, USA
 Co-organizer (with Jim Thatcher, University of Washington, Tacoma)
 Session: “Digital Enclosures”
 Presenter: “Mapping the Future Transportation Stack”
 Session: “Political Economies of Geolocation II”
 Co-Author: “Technology as Ideology in Urban Governance”
 (Presented by Jovanna Rosen, University of Southern California)
 Session: “Realizing the value of interdisciplinary research:
 How can critical theory be applied to smart cities?”
 Panelist
 Session: “Economic Geography Specialty Group Past Winners. The Future of
 Economic Geography”
13. **Association of American Geographers Annual Meeting** April 2018
New Orleans, USA
 Presenter: “Counter-mapping the spaces of autonomous driving”
 Session: “Geographies of Urban Automation II: Transport and infrastructure”
 Panelist
 Session: “Flying High, Laying Low: Talking Methods for Financial Economies”
12. **AAG Digital Geographies Specialty Group** April 2018
New Orleans, USA
 Co-Organizer: “More than Critical, More than GIS Workshop”.
 Organizers (alphabetically): Luis Alvarez León, Clark University;
 Craig Dalton, Hofstra University; Rina Ghose, University of Wisconsin - Milwaukee;
 Jack Giesecking, Trinity College; Liz Mason-Deese, George Mason University;
 Eric Nost, University of Wisconsin - Madison;
 Jim Thatcher, University of Washington Tacoma;
 Clancy Wilmott, University of Manchester;
 Matthew Wilson, University of Kentucky.
11. **Association for Public Policy Analysis & Management** November 2017
Chicago, USA
 Presenter: “Opportunity Youth: Different Location, Different Opportunity?”
 Session: “Measuring Neighborhood Opportunity”
10. **Association of American Geographers Annual Meeting** April 2017
Boston, USA
 Presenter: “Automating Space: Artificial Intelligence, Autonomous Driving,
 and the New Political Economy of Mapping in the 21st Century”
 Session: “Digital \\\Human \\\Labour 3: The Algorithmic Labour of Being”
 Discussant
 Session: “Information geographies: Social dimensions
 of Web 2.0 cartographies”
9. **Association of American Geographers Annual Meeting** April 2016
San Francisco, USA
 Presenter: “Institutional Logics of Deployment and the Paradoxes of Open Data”
 Panelist
 Session: “Disrupt Geo 1: new ideas from the front lines of
 maps, mobile, and big data”

8. **First International Conference on Anticipation** November 2015
Università degli Studi di Trento, Trento, Italy
 Presenter: “The technological singularity and the political imaginaries of automation”
7. **Fourth Global Conference on Economic Geography** August 2015
University of Oxford, Oxford, UK
 Presenter: “Intellectual Property Regimes and the Spatial Constitution of Geographic Information Markets”
6. **Association of American Geographers Annual Meeting** April 2015
Chicago, USA
 Presenter: “What Makes a Map and Who Owns it?
 Property Regimes and Commodification in the Geoweb”
 Chair, co-organizer and presenter. Session:
 “The Spatial Constitution of Markets”
5. **Association of American Geographers Annual Meeting** April 2013
Los Angeles, USA
 Presenter: “The Territorial Dimension of the Internet”
4. **Association of American Geographers Annual Meeting** April 2013
New York City, USA
 Presenter: “Cloudy Skies Ahead. How the Internet is Transforming the Space-Economy”
3. **Los Angeles Geographical Society** May 2011
L.A. City College, Los Angeles, USA
 Presenter: “The Digital Economic Geography of Hollywood”
2. **Association of American Geographers Annual Meeting** April 2011
Seattle, USA
 Presenter: “The Digital Economic Geography of Hollywood”
1. **Spaces and Flows Conference** December 2010
UCLA, Los Angeles, USA
 Presenter: “Uploading Hollywood”

GUEST LECTURES

6. **Digital Geographies Course. Prof. Yuko Aoyama** May 2025
Dept. of Geography, Clark University, Worcester, MA (Remote)
 “The Spatial Architecture of Digital Capitalism”
5. **Economies, Space, and Society Course. Prof. Theresa Hice-Fromille** April 2025
Dept. of Geography, The Ohio State University, Columbus, OH (Remote)
 “The Spatial Architecture of Digital Capitalism”
4. **Internet Geographies Course. Prof. Yuko Aoyama** November 2024
Dept. of Geography, Clark University, Worcester, MA (Remote)
 “The Spatial Architecture of Digital Capitalism”

3. **University of Washington**
Department of Geography
Seattle, WA (Remote)

February 8, 2023

“Critical Remote Sensing and the New Satellite Ecosystem”

2. **Arizona State University**
School of Geographical Sciences and Urban Planning
Tempe, AZ (Remote)

March 29, 2022

“Critical Remote Sensing and Geographic Information Science”

1. **Internet Geographies Course. Prof. Yuko Aoyama**
Dept. of Geography, Clark University, Worcester, MA (Remote)

November 2011

“Internet Distribution, Regulation & Geography”

ACADEMIC SERVICE AND PEER REVIEW

Academic and Editorial Leadership

- *Member of the Editorial Board, GEO: Geography and Environment (2024-present)*
- *Member of the Editorial Board, The Professional Geographer (2019-present)*
- *Chair, American Association of Geographers Digital Geographies Specialty Group (2021-2023)*
- *Vice Chair, American Association of Geographers Digital Geographies Specialty Group (2019-2021)*
- *Board Member, American Association of Geographers Economic Geography Specialty Group (2019-2021)*

Peer-review for Academic Journals

- *Annals of the American Association of Geographers*
- *Anthropology of Work Review*
- *Applied Geography*
- *Big Data & Society*
- *Cities*
- *Communication Theory*
- *Cultural Geographies*
- *Digital Geography & Society*
- *Economy & Society*
- *Environment and Planning A: Economy and Space*
- *Environment and Planning D: Society and Space*
- *Environment and Planning F: Philosophy, Theory, Models, Methods and Practice*
- *Frontiers in Sustainable Cities*
- *Geoforum*
- *Geographica Helvetica*

- *Geopolitics*
- *International Journal of Geographic Information Science*
- *International Journal of Urban and Regional Research*
- *Internet Histories*
- *Journal of Urban Affairs*
- *Nature Sustainability*
- *Political Geography*
- *Progress in Economic Geography*
- *Progress in Human Geography*
- *Regional Studies*
- *Revista Brasileira de Política Internacional*
- *Social Media and Society*
- *Space and Polity*
- *Surveillance & Society*
- *Technological Forecasting & Social Change*
- *The Cartographic Journal*
- *The Professional Geographer*
- *Transactions of the Institute of British Geographers*
- *University Consortium of GIS Body of Knowledge*
- *Urban Geography*

Review for Foundations

- American Philosophical Society, Lewis and Clark Fund for Exploration and Field Research Grant, Reviewer
- Mellon Mays Undergraduate Fellowship, Dartmouth College Selection Committee
- European Research Council, Consolidator Grant, Reviewer
- National Science Foundation, Office of International Science and Engineering (NSF OISE), Panelist
- National Science Foundation, Human-Environment and Geographical Sciences Program (NSF HEGS), Panelist and Reviewer
- German Academic Exchange Service (DAAD), PRIME (Postdoctoral Researchers International Mobility Experience) Program
- Polish-U.S. Fulbright Commission, Reviewer

Review for Academic Publishers

- SAGE Publications Inc. (Research Methods, Statistics & Evaluation)
- Edward Elgar Publishing Ltd.
- University of California Press

Professional Associations

- American Association of Geographers (AAG)
 - AAG Digital Geographies Specialty Group (AAG DGSG)
 - AAG Economic Geography Specialty Group (AAG EGSG)
- American Geophysical Union (AGU)

ADDITIONAL TRAINING

Oxford Internet Institute Summer Doctoral Program <i>University of Oxford</i>	July 2015 <i>Oxford, UK</i>
Summer Institute in Economic Geography <i>University of British Columbia & University of Frankfurt</i>	July 2014 <i>Frankfurt, Germany</i>
Diploma in Digital Methods <i>Digital Methods Initiative Summer School, University of Amsterdam</i>	July 2012 <i>Amsterdam, Netherlands</i>
Diploma in GIS and Remote Sensing <i>UNAM, National University, México, Faculty of Science</i>	May 2009 <i>México City, México</i>
Diploma in Cultural Policy and Management <i>17, Institute for Critical Studies</i>	December 2008 <i>México City, México</i>
Diploma in Regional Development <i>UNAM, National University, México, Institute for Economic Research</i>	November 2008 <i>México City, México</i>

TECHNICAL STRENGTHS

Geographic Information Systems	QGIS, ArcGIS, Felt, Spatial Analysis tools in R
Online Education Platforms	Canvas, Moodle, Zoom, BlackBoard Collaborate
Statistical Packages	R (packages: <i>sf</i> , <i>raster</i> , <i>terra</i> , <i>sp</i> , <i>igraph</i> , <i>rqdap</i> , <i>statnet</i> , <i>ggplot2</i> , <i>infer</i> , <i>dplyr</i> & <i>tidyverse</i> , <i>EconGeo</i> , etc.), DataDesk
Qualitative Data Analysis	Atlas.ti
Visualization	Tableau
Software	Microsoft Word, Excel, Power Point, Atlas.ti, LaTeX
Grant Proposals	Writing, Planning, Teaching
Open Data Platforms	Conceptual Design, Architecture, & Project Management

LANGUAGES

- Spanish (Native)
- English (Native Proficiency)

ACADEMIC ADVISING

Postdoctoral Advising

2. Dr. Meghan Kelly

Dartmouth College, Department of Geography (2021-2022)
Assistant Professor of Geography at Durham University (2022-2023)
Assistant Professor of Geography at Syracuse University (2023 - present)

1. **Dr. Park Muhonda**

Dartmouth College, Department of Geography (2021-2022)
Geography Instructor at Oregon State University (2023 - present)

Ph.D. Committee Membership

1. **Mike Athay**

Ph.D. in Geography, Clark University (January 2026)

2. **Deibi Sibrian**

Ph.D. in Environmental Science, Policy, and Management,
University of California, Berkeley (Exp. May 2026)

Master's Committee Membership

2. **Brenna Robeson**

M.A. in Community Development and Planning,
Clark University School of International Development, Community, and Environment (2019)
“Using Critical GIS to Reimagine Food Deserts in Worcester, MA”

1. **Will Heikes**

M.S. in Geographic Information Science, Clark University, Graduate School of Geography (2018)
“Dónde está ‘Mi Gente’? An analysis of Spanish-language music awareness using tweets in the United States”

Undergraduate Senior Honors Theses (Advisor)

4. **Jacqueline Wright**

B.A. in Geography, Dartmouth College (June 2026)
“Generating a Boom: State Capitalism, Electricity and Data Centers in Metro Atlanta”

3. **Lily Levick**

B.A. in Quantitative Social Science, Dartmouth College (June 2026)
“Quantifying Neighborhood Change: Subway Presence Effects on Neighborhood Space Use”

2. **Caroline Atwood**

B.A. in Geography, Dartmouth College (June 2021)
“Mouse Vision: Place-making in Theme Parks”
★ *Awarded High Honors*

1. **Jesus J. Franco**

B.A. in Geography, Dartmouth College (June 2020)
“Caring communities in toxic environments”
★ *Awarded Honors*

Undergraduate Senior Honors Theses (Reader)

5. **Hosaena Tilahun**

B.A. in Geography, Dartmouth College (June 2025)
“The Idea of Ethiopia: Heritage Tourism in the Land of Origins”

4. **Esmeralda Abreu-Jerez**

B.A. in Geography, Dartmouth College (June 2025)
“Exploitation to Liberation: Care Worker Kinship in New York City”

3. **Lena Kufferman**

B.A. in Geography, Dartmouth College (June 2025)

“Hollow Choices: The Choice Neighborhood Initiative and the Performance of Participation”

2. **Catie McCarthy**

B.A. in Geography, Dartmouth College (June 2023)

“Critical Geopolitics and the Created Worlds of Post-9/11 Spy Film”

★ *Awarded Honors*

1. **Nathan Bram**

B.A. in Geography, Clark University (May 2018)

“Redevelopment in Haifa: mitigating interests in a “mixed” city”

★ *Awarded Honors*

Senior Fellowship

1. **Kaijing Janice Chen**

B.A. in Geography, Dartmouth College, June 2020

Main Advisor; Co-advisor: Jeff Sharlet (Creative Writing)

“THE GEOGRAPHY OF MILK: Mapping and Writing the Dairy Industry”

★ *Awarded High Honors; Winner of the 2020 Alexander von Humboldt Award, Dartmouth College Geography Department*

<https://janicekchen.com/geogmilk.html>

★ *Honorable Mention; 2020 Pudding Cup Data Visualization Award.*

Entry title: Milk Country

★ *Best Digital / Interactive Map; 2020 Cartography and Geographic Information Society. Entry title: Milk Country. <https://www.janicekchen.com/vermont/>*

TEACHING

Dartmouth College Department of Geography, Hanover, NH

2018 - Present

Assistant Professor of Geography

Designing and teaching geography courses at Undergraduate level.

Courses taught at Dartmouth College Department of Geography:

- GEOG 4 – Introduction to Geospatial Thinking (2020 Spring, 2021 Winter, 2023 Winter, 2024 Winter, 2025 Winter)

Instructor

Gateway survey course that links key concepts of geographical thought (e.g., place, space, and territory) and their interconnection with a range of geospatial tools and techniques (from paper maps to global positioning systems). The students develop a geospatial literacy and a theoretical sophistication that allows them to understand spatial analysis and technologies from a holistic perspective, while bringing a technical understanding to conceptual debates in Geography and other sciences.

- GEOG 7 – Charting the Road to Self-Driving Cars (2019 Winter, 2020 Winter, 2021 Winter)

Instructor

First-year seminar that develops an integrative approach to examine the geography, history, development, and implications of autonomous navigation as well as automation more generally to understand their relation to broader social, political, and economic forces.

- GEOG 12.01 – Research Design (2022 Fall, 2024 Fall)

Instructor

This course provides students with the tools and perspectives necessary to plan and conduct independent research in Geography, as well as the ethical foundation for conducting research. The course

is structured around the development of a well-crafted research proposal and works best when taken in addition to another research methods class.

- GEOG 32 – Economic Geography and Globalization (2020 Fall, 2023 Summer, 2024 Winter, 2025 Winter)

Instructor

This course presents an overview of the key debates, perspectives, and concepts of Economic Geography specifically aimed at understanding the processes and outcomes of Globalization. Theoretical discussions are applied empirically through the analysis of innovation and technological change in the evolution of economic systems. Through this application, students are introduced to the statistical package R specifically in the context of doing empirical research in Economic Geography.

- GEOG 58/55 – Critical Analysis in GIS (2019 Spring, 2019 Fall, 2021 Spring, 2022 Spring, 2022 Summer, 2023 Summer, 2025 Spring)

Instructor

Upper Division course aimed at developing a critically informed geospatial practice through the integration of seminar-style discussions with the acquisition and practice of GIS / spatial analysis / data visualization skills in the R statistical computing environment.

- GEOG 80 – Geospatial Technologies and Society (2019 Spring, 2023 Winter)

Instructor

This course analyzes the political, economic, social, and cultural implications of geospatial data, media, and technologies. Topics covered include self-driving cars, Google Maps, and big geospatial datasets like satellite imagery repositories. Drawing on a variety of conceptual frameworks, students will learn how to evaluate geospatial technologies not only through their technical underpinnings, but also via their space-making processes and embeddedness in our everyday lives.

Clark University Graduate School of Geography, Worcester, MA

2018

Visiting Assistant Professor of Urban-Economic Geography

Designing and teaching geography courses at Undergraduate and Graduate levels. Department advisor to first-year students.

Courses taught at Clark University Graduate School of Geography:

- GEOG 257/357 – Internet Geographies (2018)

Instructor

Upper Division & Graduate course exploring the geographical dimensions, as well as the political, economic, and social impacts of the Internet.

- GEOG 286/386 – Critical GIS with R (2018)

Instructor

Upper Division & Graduate course integrating a Critical GIS seminar component with a lab focused on acquiring the necessary skills to use R as a Geographic Information System, in order to develop a critically informed geospatial practice.

University of California, Los Angeles, CA

2010-2016

Lecturer, full instructor, teaching fellow, teaching associate & teaching assistant

Extensive experience teaching and designing in-person, hybrid and online courses in a wide range of subfields in Human Geography, Geographic Information Systems and Global Studies.

Team leader in the redesign of the Geographic Information Science Program at UCLA coordinated by Prof. Michael Shin towards hybrid, open source and fully online capabilities. This was a pioneering project in the University of California which allowed cross-campus enrollment and was recognized by the University of California Office of the President with the Innovative Learning Technology Initiative Grant.

Courses taught at UCLA Department of Geography:

- GEOG 184 – California Geography (2016)
Lecturer
Upper Division class integrating physical, political, economic, and social geographies of California.
- GEOG 7 – Introduction to Geographic Information Systems (2013-2015)
Full Instructor (Summer 2014), Teaching Fellow (2013-2015)
In Summer 2014 I taught the first-ever hybrid (online + in-person) and open-source GIS summer course at UCLA. I was part of the team that developed this course during 2013 led by Prof. Michael Shin.
- GEOG 3 – Cultural Geography (2014)
Full Instructor (Summer)
Developed an original course focused on the history and theory of cartography, along with the evolution of mapping technologies to illuminate the construction of key concepts in cultural and political geography.
- GEOG 167 – Cartography (2014)
Teaching Fellow
- GEOG 4 – Globalization: Regional Development and the World Economy (2012, 2013)
Full Instructor (Summer 2013), Teaching Assistant (2012)
In Summer 2014 I developed an original course centered on the analysis of global trends through the close study of transnational firm networks, national and international politics and trade policies.
- GEOG 5 – People and Earth's Ecosystems (2011, 2013)
Teaching Assistant (2011), Teaching Fellow (2013)
- GEOG 2 – Biodiversity in a Changing World (2011, 2012)
Teaching Assistant

Courses taught at the UCLA Global Studies Program:

- Global Studies 1 – Globalization (2013)
Full Instructor (Summer)
I developed this course by expanding the material produced for GEOG 4 (Globalization) to discuss in greater depth the production cycles of global capitalism, the role of the state and the increasingly salient role of non-state actors such as social movements.

Courses taught at the UCLA Academic Advancement Program:

- GEOG 3 – Cultural Geography (2012, 2013)
Teaching Fellow (Summer)

MEDIA COVERAGE

La Vanguardia, Barcelona

February 2, 2026

“La geografía del poder digital europeo que ‘ignora’ a España”

- <https://www.lavanguardia.com/internacional/vanguardia-dossier/revista/20260202/11438993/geografia-digital-europeo-ignora-espana.html>

New Books Network

March 8, 2025

“The Map in the Machine: Charting the Spatial Architecture of Digital Capitalism. Podcast interview hosted by Stentor Danielson”

- <https://newbooksnetwork.com/the-map-in-the-machine>

- New Reads** May 4, 2024
"The Map in the Machine"
 · <https://newreads.blogspot.com/2024/05/the-map-in-machine.html>
- IEEE Spectrum** June 24, 2019
"The Self-Driving Car Is a Surveillance Tool"
 · <https://spectrum.ieee.org/cars-that-think/transportation/self-driving/surveillance-and-the-selfdriving-car>
- Help Net Security** June 12, 2019
"Will self-driving cars represent a new mode for surveillance?"
 · <https://www.helpnetsecurity.com/2019/06/12/self-driving-cars-surveillance/>
- Interesting Engineering** June 9, 2019
"Your Future Self-Driving Car Will Be Watching Your Every Move, Says New Study"
 · <https://interestingengineering.com/your-future-self-driving-car-will-be-watching-your-every-move-says-new-study>
- TechHQ** March 25, 2019
"Autonomous vehicle data will be powerful, if we can access it"
 · <https://techhq.com/2019/03/autonomous-vehicle-data-will-be-powerful-if-we-can-access-it/>
- Digital Journal** March 3, 2019
"Study: Who will control the data for autonomous vehicles?"
 · <http://www.digitaljournal.com/tech-and-science/technology/study-who-will-control-the-data-for-autonomous-vehicles/article/544480>
- The Dartmouth** February 28, 2019
"Geography professor Luis Alvarez León studies self-driving cars"
 · <http://www.thedartmouth.com/article/2019/02/self-driving-cars-study>
 · https://issuu.com/thednewspaper/docs/the_dartmouth_2_28_19
- EurekaAlert! The Global Source for Science News** February 05, 2019
"Self-driving cars and geospatial data: Who holds the keys?"
 · https://www.eurekaalert.org/pub_releases/2019-02/dc-sc020519.php
- USC Price Sol School for Public Policy** November 2, 2017
"Price CSI launches data platform to help communities promote better quality of life"
 · <https://priceschool.usc.edu/price-csi-launches-data-platform-to-help-communities-promote-better-quality-of-life/>
- LA Thrives** November, 2017
"What's Happening Now in LA County and Beyond"
 · https://www.lathrives.org/nov_2017
- KCET City Rising** October 30, 2017
"Curating Data to Spark Community Engagement in Los Angeles"
 · <https://www.kcet.org/shows/city-rising/curating-data-to-spark-community-engagement-in-los-angeles>

USC Price Sol School for Public Policy

June 5, 2017

“FORWARD LA: Neighborhood Data for Social Change Demonstration”

- https://www.youtube.com/watch?v=r-TR_VUjI0k

Gaceta UNAM

May 5, 2017

“GALARDÓN DE GEOGRAFÍA SOBRE EL MERCADO GLOBAL”

- <http://www.gaceta.unam.mx/20170525/galardon-de-geografia-sobre-el-mercado-global/>

ADN 40

May 5, 2017

“Mexicano es premiado en EU por mejor tesis doctoral”

- <https://www.adn40.mx/noticia/cultura/nota/2017-05-05-19-20/mexicano-es-premiado-en-eu-por-mejor-tesis-doctoral/>

Quadratín CDMX

April 20, 2017

“Mexicano es premiado en EU por mejor tesis doctoral”

- <https://mexico.quadratin.com.mx/premian-eu-tesis-doctoral-mexicano/>

El Universal

April 28, 2017

“La relación México-EU va más allá de gobiernos”

- <https://www.eluniversal.com.mx/articulo/nacion/sociedad/2017/04/28/la-relacion-mexico-eu-va-mas-alla-de-gobiernos>

ElBigData

April 16, 2017

“Otorgan premio a geógrafo económico mexicano en Boston”

- <https://m.elbigdata.mx/mexico/otorgan-premio-a-geografo-economico-mexicano-en-boston/>

Harmonía.la

April 24, 2017

“Premian en Estados Unidos a geógrafo mexicano”

- https://harmonia.la/buenas_noticias/premian-en-eua-a-geografo-mexicano