

LUIS FELIPE ALVAREZ LEÓN

Curriculum Vitae

Assistant Professor of Geography

Department of Geography, Dartmouth College ♦ Hanover, New Hampshire, 03755

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Last updated: September 2022

ACADEMIC APPOINTMENTS

Dartmouth College, Hanover, NH

2018-present

Department of Geography

Assistant Professor of Geography

Founder and Director of the Critical Geospatial Research Lab

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

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

ADDITIONAL TRAINING

Oxford Internet Institute Summer Doctoral Program

July 2015

University of Oxford

Oxford, UK

Summer Institute in Economic Geography

July 2014

University of British Columbia & University of Frankfurt

Frankfurt, Germany

Diploma in Digital Methods

July 2012

Digital Methods Initiative Summer School, University of Amsterdam

Amsterdam, Netherlands

Diploma in GIS and Remote Sensing

May 2009

UNAM, National University, México, Faculty of Science

México City, México

FIELDS OF INTEREST

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

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

TECHNICAL STRENGTHS

– Geographic Information Systems	QGIS, ArcGIS
– 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> , 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

ACADEMIC PUBLICATIONS

Peer-reviewed publications

23. 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>
22. **Alvarez León, L.F.** & Aoyama, Y. (2022). “Industry Emergence and Market Capture: The Rise of Autonomous Vehicles”. *Technological Forecasting and Social Change*. [Scopus Impact Factor: 8.605 (2020); SSCI Journal Impact Factor: 5.846 (2020)] DOI: <https://doi.org/10.1016/j.techfore.2022.121661>
21. 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*. [Scopus Impact Factor: 10.1 (2020); H Index: 146 (2020)] DOI: <https://doi.org/10.1177/03091325221074691>
20. **Alvarez León, L.F.** (2021). “Artificial Intelligence and the Capitalist Space Economy”. *Space and Polity*, 25(2), 220-236. [SSCI Impact Factor: 1.55 (2020); SJR Indicator: 0.4 (2020)] DOI: <https://www.tandfonline.com/doi/abs/10.1080/13562576.2021.1985852>
19. 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: 5.835 (2020); SJR Indicator: 1.771 (2020)] DOI: <https://doi.org/10.1016/j.cities.2021.103410>

18. **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/>
17. **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>
16. **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)
15. 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>
14. **Alvarez León, L.F.** (2019). "Artificial Intelligence at the Intersection of Education and Industry". Peer-reviewed chapter for 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. Emerald Publishing.
URL: <https://books.emeraldinsight.com/page/detail/The-Educational-Intelligent-Economy/?k=9781787548534>
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). "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>
6. **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>
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*, July-December, 1-13.
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>

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>.

Commentaries in peer-reviewed journals

1. **Alvarez León, L.F.** (2022). “From glitch epistemologies to glitch politics”. Invited, editor-reviewed commentary in *Dialogues in Human Geography*. **Forthcoming**. [SSCI Journal Impact Factor: 10.231 (2020); H Index: 30 (2020)]

Book chapters

8. **Alvarez León, L.F.** (2022) “An emerging satellite ecosystem and the changing political economy of remote sensing”. Invited Submission for J.E. Goldstein & E. Nost (Eds.). *The Nature of Data: Infrastructures, Environments, Politics*. University of Nebraska Press. **Forthcoming**.
7. **Alvarez León, L.F.** (2020). “Automation”. Invited chapter for A. Kobayashi et al (Eds.). *International Encyclopedia of Human Geography, 2nd Edition*, 249-254. DOI: <https://doi.org/10.1016/B978-0-08-102295-5.10512-8>
6. 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>
5. **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>
4. **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>
3. 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>.
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: <http://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: <http://dx.doi.org/10.4135/9781452206905.n265>

Edited volumes

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>

Book reviews

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%2F00130095.2018.1505428>
2. **Alvarez León, L.F.** (2017). “Architectures of the Information Age”. Review essay of *Information Doesn't Want to be Free* by Corey 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%2F17530350.2016.1242432>
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%2F0265813516677110>

UNDER REVIEW

2. **Alvarez León, L.F.** “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*. **Minor Revisions**.
1. Gleason, C., Bennett, M., Tellman, B., **Alvarez León, L.F.**, & Chen, J.K. “Translating Critical Remote Sensing for the Geosciences: Six Steps for More Reflexive Practice”. *AGU Advances*. **Under Review**.

IN PREPARATION

5. **Alvarez León, L.F.** & Rosen, J. “Land, Reconfigured: Defying the Laws of Physics, Upholding the Rules of the Market”.
4. **Alvarez León, L.F.**, Kelly, M., & Chen, J.K. “Selling the View from Above: Remote Sensing, Commercialization, and the new Satellite Ecosystem”.
3. **Alvarez León, L.F.**, León-Manríquez, J.L., & Kim, S. “South Korean Industrial Policy and the Development of Autonomous Vehicles”.
2. Rosen, J. & **Alvarez León, L.F.** “The variegated hinterlands of the digital growth machine”.
1. **Alvarez León, L.F.** & Quinn, S. “Street-level imagery, street-level politics”.

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

JustX Grant	2022-2023
<i>Wright Center for the Study of Computation and Just Communities</i>	\$25,000 USD + 4,000 USD in Research Assistant funds
Stan Brunn Top Paper Award	2020
<i>American Association of Geographers, Media & Communication Geography Specialty Group</i>	\$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

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

PRESENTATIONS

37. **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 26th-29th, 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*”
36. **Institute of Geography, Heidelberg University, Germany**
**19th Symposium: Knowledge and Digital Technology:
Spatial Relations in a Digital Age** May 4th, 2022
Remote
- “Assembling the geographic information market in the United States”
35. **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”
34. **Arizona State University**
School of Geographical Sciences and Urban Planning March 29, 2022
Tempe, AZ (Remote)
- Guest Lecturer
“Critical Remote Sensing and Geographic Information Science”
33. **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*.

32. **American Geophysical Union 2021 Fall Meeting** December 15, 2021
New Orleans, LA (Remote)
 > Presenter
 Session: “Translating Critical Remote Sensing for the Geosciences: Politics, Ethics, Economics, Empowerment, and Other Important Issues”
 Presentation: “Perceptions, Practices, and the Political Economy of Remote Sensing”
31. **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”
30. **University of Nevada, Reno**
Department of Geography Colloquium November 10, 2021
Remote
 > “The Digital Growth Machine: Urban Change and the Ideology of Technology”
29. **IX Jornada Académica Internacional sobre Corea,**
Universidad de Colima, Mexico September 3, 2021
Colima, Mexico (Remote)
 > “South Korea’s strategies in the automobile industry: Continuity or change?”
28. **Centre for Data Ethics and Innovation (UK)** July 30, 2021
London, UK (Remote)
 > “Ethical Dimensions of Autonomous Vehicles”
27. **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=xxzpzpMeiAt> = 1256s
26. **University of Siegen** May 5, 2021
Siegen, Germany (Remote)
 > **Geomedia 2021 Conference, Platform Automobility Panel:**
 “Where is the Autonomous Vehicle Market?”
25. **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”

24. **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>
23. **UC Berkeley Geography Colloquium** December 2020
Berkeley, USA (Remote)
 ➤ “Spatial reflections on the construction of an autonomous vehicle market”
22. **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”
21. **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”
20. **University of Guelph Department of Geography** October 2019
Guelph, Canada
 ➤ **Invited Participant:** “Digital Geographies Workshop”

 ➤ Discussant: “Methods and Methodologies in Digital Geography”
19. **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: “Economic Geography Specialty Group Past Winners. The Future of Economic Geography”
18. **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”

17. **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”

16. **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 Giesekeing, 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.

15. **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”

14. **Association for Public Policy Analysis & Management** November 2017
Chicago, USA
 “Opportunity Youth: Different Location, Different Opportunity?”
 Session: “Measuring Neighborhood Opportunity”

13. **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”

12. **Association of American Geographers Annual Meeting** April 2016
San Francisco, USA
 “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”

11. **First International Conference on Anticipation** November 2015
Università degli Studi di Trento, Trento, Italy
 “The technological singularity and the political imaginaries of automation”

10. **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”

9. **Fourth Global Conference on Economic Geography** August 2015
University of Oxford, Oxford, UK
 “Intellectual Property Regimes and the Spatial Constitution of Geographic Information Markets”

8. **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”

7. **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”

6. **Association of American Geographers Annual Meeting** April 2013
Los Angeles, USA
 “The Territorial Dimension of the Internet”

5. **Association of American Geographers Annual Meeting** April 2013
New York City, USA
 “Cloudy Skies Ahead. How the Internet is Transforming the Space-Economy”

4. **Los Angeles Geographical Society** May 2011
L.A. City College, Los Angeles, USA
 “The Digital Economic Geography of Hollywood”

3. **Internet Geographies Course. Prof. Yuko Aoyama** November 2011
Dept. of Geography, Clark University, Worcester, USA
 Guest lecture: “Internet Distribution, Regulation & Geography”

2. **Association of American Geographers Annual Meeting** April 2011
Seattle, USA
 “The Digital Economic Geography of Hollywood”

1. **Spaces and Flows Conference** December 2010
UCLA, Los Angeles, USA
 “Uploading Hollywood”

Academic and Editorial Leadership

- *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)
- *Member of the Editorial Board, The Professional Geographer* (2019-2023)

Peer-review for Academic Journals

- *Geopolitics* (2022)
- *Nature Sustainability* (2022)
- *Communication Theory* (2022)
- *Digital Geography & Society* (2022)
- *Frontiers in Sustainable Cities* (2021)
- *Internet Histories* (2021)
- *Environment and Planning A: Economy and Space* (2021)
- *Technological Forecasting & Social Change* (2020, 2021)
- *Space and Polity* (2020)
- *University Consortium of GIS Body of Knowledge* (2020)
- *Annals of the American Association of Geographers* (2018, 2019, 2021, 2022)
- *Big Data & Society* (2018, 2021)
- *Geoforum* (2018)
- *International Journal of Geographic Information Science* (2018)
- *Political Geography* (2018, 2021)
- *Progress in Human Geography* (2018, 2019)
- *Regional Studies* (2018)
- *Revista Brasileira de Política Internacional* (2017)
- *Surveillance & Society* (2018)
- *The Professional Geographer* (2019, 2022)
- *Urban Geography* (2021)
- *Transactions of the Institute of British Geographers* (2019)

Review for Academic Publishers

- SAGE Publications Inc. (Research Methods, Statistics & Evaluation) (2016)

Professional Associations

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

LANGUAGES

- Spanish (Native)
- English (Native Proficiency)
IELTS score: 8/9 (2008)
TOEFL score: 114/120 (2008)
- French, Portuguese, Italian (Basic Reading)

ACADEMIC ADVISING

- Ph.D.

1. **Mike Athay**

Exp. May 2024

*Clark University, Graduate School of Geography,
Ph.D. in Geography
(External Committee Member)*

- Master's

2. **Brenna Robeson**

May 2019

*Clark University, School of International Development, Community, and Environment,
M.A. in Community Development and Planning
(External Advisor)*

“Using Critical GIS to Reimagine Food Deserts in Worcester, MA”

1. **Will Heikes**

May 2018

*Clark University, Graduate School of Geography,
M.S. in Geographic Information Science
(Committee Member)*

“Dónde está ‘Mi Gente’? An analysis of Spanish-language music awareness using tweets in the United States”

- Undergraduate Senior Honors Theses

3. **Caroline Atwood**

June 2021

*Dartmouth College, B.A. in Geography
(Main Advisor)*

“Mouse Vision: Place-making in Theme Parks”

★ *Awarded High Honors*

2. **Jesus J. Franco**

June 2020

*Dartmouth College, B.A. in Geography
(Main Advisor)*

“Caring communities in toxic environments”

★ *Awarded Honors*

1. **Nathan Bram**

May 2018

*Clark University, B.A. in Geography
(Reader)*

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

- Senior Fellowship

1. **Kaijing Janice Chen**

June 2020

*Dartmouth College, B.A. in Geography
(Main Advisor; Co-advisor: Jeff Sharlet)*

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

★ *Awarded High Honors; Winner of the 2020 Alexander von Humboldt Award*

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

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

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)

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)

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)

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)

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

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