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PROFESSIONAL EXPERIENCE

Positions

2022- Research Assistant Professor, Department of Comparative Human Development, University of Chicago
2018-22 Data Scientist, Department of Comparative Human Development, University of Chicago
2016-18 Postdoctoral Research Associate, Spatial Structures in the Social Sciences, Brown University
2014-15 Preceptor, Master of Arts Program in the Social Sciences, University of Chicago

Project-based research

2019-21 Subject Matter Expert, social network analysis for Social Inquiry, Inc.
2018-20 Consultant and Team Lead, spatial causal inference for James Evans, University of Chicago

EDUCATION

2016 Ph.D. in Sociology. University of Chicago. Committee: Terry N. Clark, James Evans, Omar McRoberts
Dissertation title: *Venues: Locating Social Context*.
2009 M.A. in Sociology, University of Chicago
2005 M.A. in Social Science, University of Chicago
2004 B.S. in Physics (with honors), Virginia Tech
2004 B.S. in Applied computational mathematics (with honors), Virginia Tech

GRANT ACTIVITY

2022- Principal Investigator, "Optimization of audio processing pipeline for broadcast police communications"
Argonne National Laboratory, Argonne Leadership Computing Facility (6,000 node-hours Polaris, 2,000 node-hours ThetaGPU).
2021-25 Principal Investigator (with Margaret Beale Spencer), "Primed to (re)act: Can changes in procedural language prevent adverse events between police and minority male youth?" National Institutes of Health, National Institute on Minority Health and Health Disparities, 1R01MD015064-01A1 (\$2,746,686).

PUBLICATIONS

Pre-prints

2025 Blili-Hamelin B*, **Graziul C***, Hancox-Li L, Hazan H, El-Mhamdi E-M, Ghosh A, Heller K, Metcalf J, Murai F, Salvaggio E, Smart A, Snider T, Tighanimine M, Ringer T, Mitchell M, Dori-Hacohen S. "Stop treating 'AGI' as the north-star goal of AI research" (arXiv:2502.03689). [arXiv. https://doi.org/10.48550/arXiv.2502.03689](https://doi.org/10.48550/arXiv.2502.03689). (*These authors contributed equally to this work)

Peer Reviewed Work

2024 Srivastava T, Chou J-C, Shroff P, Livescu, K, **Graziul C**. "Speech Recognition for Analysis of Police Radio Communication." *IEEE Spoken Language Technology Workshop*. Macao, China, December 2-5. <https://doi.org/10.48550/arXiv.2409.10858>

- 2024[†] Venkit PN, **Graziul C**, Goodman MA, Kenny SN, Wilson S. "Race and Privacy in Broadcast Police Communications." *ACM Conference on Computer Supported Cooperative Work*. San José, Costa Rica, November 9-13. <https://doi.org/10.1145/36869>. ([†]DEI Recognition)
- 2023 **Graziul C**, Belikov A, Chattopadhyay I, Chen Z, Fang H, Girdhar A, Xiaoshuang J, Krafft PM, Kleiman-Weiner M, Lewis C, Liang C, Muchovej J, Vientós A, Young M, Evans J. "Does Big Data Serve Policy? Not Without Context. An Experiment with *in silico* Social Science." *Computational and Mathematical Organization Theory*. <https://doi.org/10.1007/s10588-022-09362-3>
- 2018 Logan J, **Graziul C**, Frey N. "Neighborhood formation in St. Louis, 1930." *Environment and Planning B: Analytics and City Science*. 45(6): 1157-1174.
- 2017 Yi J, **Graziul C**. "Religious conservatives and outsiders: Determinants of cross-racial ties among white Christians." *Review of Religious Research*. 59(2) (June): 231-250.
- 2012 **Graziul C**, Gibbons R, Alexander GC. "Association Between the Commercial Characteristics of Psychotropic Drugs and Their Off-label Use." *Medical Care* 50 (11) (November): 940–947.
- 2012 Kozman D, **Graziul C**, Gibbons R, Alexander GC. "Association Between Unemployment Rates and Prescription Drug Utilization in the United States, 2007–2010." *BMC Health Services Research* 12(1) (November 30): 435.

Book Chapters

- 2022 Fajardo SA, Lodato-Nichols B, Spencer MB, **Graziul C**. "Positive Identity Development as an Integration Measure: Reframing Alternative Conceptual Findings for Academically Resilient, Low Income Urban Youth." *Re/Formation and Identity: The Intersectionality of Development, Culture, and Immigration*. Edited by Deborah J. Johnson, Susan S. Chuang, and Jennifer Glozman. Springer.
- 2019 Spencer MB, Lodato-Nichols B, Spencer C, Rich L, **Graziul C**, English-Clarke T. "Chapter Four - Innovating Resilience Promotion: Integrating Cultural Practices, Social Ecologies and Development-Sensitive Conceptual Strategies for Advancing Child Well-Being." *Advances in Child Development and Behavior*. Edited by Daphne A. Henry, Elizabeth Votruba-Drzal, and Portia Miller, 57:101–48. JAI.
- 2018 **Graziul C**, Seymour E, Schlieth D. "Commuting Behavior and Local Population Loss: Means of Transportation to Work as an Indicator of Urban Decline." *ATPP: Transportation in the Places Where People Leave: Demographic Change and Transportation in the 21st Century*. Edited by Rachel Franklin, Eveline Vanleeuwen, Antonio Paez. Elsevier.
- 2016 Silver D, Clark TN, **Graziul C**. "The Science of Scenes." *Scenesapes: How Qualities of Place Shape Social Life*. Daniel Silver and Terry Nichols Clark. University of Chicago Press.

Invited

- 2014 **Graziul C**. "Theorizing Social Constraint Through Venues." *ISA: Newsletter of the Research Committee on Social Theory* (Winter 2014): 12-15.
- 2008 Clark TN, **Graziul C**. "Why Rich States Aren't Republican." Book Review in *Science* 322 (5902) (October 31): 676–677.

REPORTS

- 2020-2021 Social Inquiry. “Return as Social Interaction: Networks and Perceptions Among Yezidi and Christian IDPs from Ninewa Governorate.” Subject matter expert on survey design and collection/analysis of social network data for three reports: Wave 1 Interim Report (7/2020), Wave 2 Interim Report (6/2021), Comparison of Wave 1, Wave 2, and Wave 3 (11/2021).

PRESENTATIONS

- 2024 Fajardo S, **Graziul C**. “The History and Continued Significance of Radio Policing for Racialized Social Control.” 2024 Annual Meeting of the Social Science History Association (SSHA). Toronto, ON, November 2.
- 2024 **Graziul C**, Lai S. “Reliability and Validity of Two-Way Radio Use as a Measure of Police Activity.” 10th International Conference on Computational Social Science (IC2S2). Philadelphia, PA, July 18-20.
- 2024 **Graziul C**, Smith A, Cypher C, Hogue G, Loaiza K, Mercado L, Johnson S, Spencer MB. “The Praxis of Data Annotation and Ideational Search.” 3rd International Conference on the Science of Science and Innovation (ICSSI). Washington, DC, July 1-3.
- 2024 Srivastava T, Chou J-C, Shroff P, Livescu, K, **Graziul C**. “Speech Recognition for Analysis of Police Radio Communication.” Midwest Speech and Language Days (MSLD). Ann Arbor, MI, April 15-16.
- 2023 **Graziul C**, Spencer MB. “Why do racial disparities in police violence persist? Let’s listen in.” 118th Annual Meeting of the American Sociological Association. Philadelphia, PA, August 17-21.
- 2022 Kanabar A, Sailopal A, **Graziul C**. “Analyzing voice activity in broadcast police communications.” 8th International Conference on Computational Social Science, Chicago, IL, July 19-22.
- 2022 Lai S, Chandler E, **Graziul C**. “Conversation recognition in mixed stream audio data.” 8th International Conference on Computational Social Science, Chicago, IL, July 19-22.
- 2022 Gopan S, **Graziul C**, Shu S, Sailopal A. “Analyzing dominance in broadcast police communications.” 8th International Conference on Computational Social Science, Chicago, IL, July 19-22.
- 2019 Chan Tack AM, **Graziul C**. “Race-Neutral Decisions, Racially Unequal Results: A Spatial Test for Retail Redlining in the Supermarket Industry in Chicago, 1970-2000. 2019 Annual Meeting of the Social Science History Association, Chicago, IL, November 22.
- 2019 **Graziul C**. “Rethinking Organizations: The Relationship Between Individuals, Venues, and the Communities They Share.” 114th Annual Meeting of the American Sociological Association. New York, NY, August 11.
- 2019 **Graziul C**. “Making Sense of the Baseline Identity Survey (and Beyond).” 1st Annual STEM Undergraduate Success Conference, Morehouse College. Atlanta, GA, July 11.
- 2019 Talley CP, Salter, A, **Graziul C**. “Baseline Identity Research Project.” 1st Annual HBCU IRC External Advisory Committee meeting, Morehouse College. Atlanta, GA, February 15.
- 2018 Logan J, **Graziul C**, Frey N. “Neighborhood Formation St. Louis 1930.” Population Association of America 2018 Annual Meeting. Denver, CO, April 27.

- 2017 Bellman B, Martinez M, **Graziul C**, Logan J. "Spatial and social contexts of mortality resulting from interactions with police." Population Association of America 2017 Annual Meeting. Chicago, IL, April 27.
- 2017 **Graziul C**. "Religious ecology and the definition of local context." 2017 American Association of Geographers Annual Meeting. Boston, MA, April 8.
- 2017 **Graziul C**. "The effect of community context on religious life." GIS Institute, Population Studies and Training Center, Brown University. Providence, RI, January 12.
- 2016 **Graziul C**. "Compulsory social contexts shape voter affect toward stigmatized groups." 111th Annual Meeting of the American Sociological Association, Seattle, WA, August 21.
- 2015 **Graziul C**. "Opportunity constraint and religious life." 110th Annual Meeting of the American Sociological Association, Chicago, IL, August 22.
- 2015 **Graziul C**. "Venues, generalized trust, and partisan voting: How where we live affects how we vote." Political Networks conference, Portland, OR, June 17.
- 2013 **Graziul C**. "Nothing else to do: Friendship opportunities and conservative religious beliefs." 108th Annual Meeting of the American Sociological Association, New York, NY, August 10.
- 2013 **Graziul C**, Silver D, Clark TN. "Scenes and politics: Toward a human geographic understanding of personal politics." Midwest Political Science Association annual meeting, Chicago, IL, April 10.
- 2012 **Graziul C**, Clark TN. "Scenes and politics: Toward a human geographic understanding of personal politics." 107th Annual Meeting of the American Sociological Association, Denver, CO, August 17.
- 2011 Wu D, Gao P, Dong J, **Graziul C**, Clark TN. "The Influence of Regional Culture and Value on the Flow of Chinese Young Talents." 2011 International Conference on Computer and Management (CAMAN), Wuhan, China, May 19.
- 2010 **Graziul C**. "Strangers, cosmopolitanism and voting: How mere exposure may influence mass opinion." 106th Annual Meeting of the American Political Science Association, Washington, DC, September 2.
- 2008 **Graziul C**, Clark TN. "Do people move for politics? Resolving the debate." 104th Annual Meeting of the American Political Science Association, Boston, MA, August 28.

ACADEMIC SERVICE

- 2023 Lead Consultant (for Chenhao Tan), *Machine Learning for Public Policy* (project lead)
- 2015-16 Manuscript Review Board, *American Journal of Sociology*
- 2015 Search Committee, Master of the Arts Program in the Social Sciences, University of Chicago
- 2015 Student Admissions Committee, Master of Arts Program in the Social Sciences, University of Chicago

Ad hoc reviewer for *American Journal of Sociology*, *Social Forces*, *Educational Evaluation and Policy Analysis*

REFERENCES

Margaret Beale Spencer

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