Diego Gómez-Zará

Assistant Professor at the University of Notre Dame

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EDUCATION

Northwestern University — Evanston, IL, USA — 2016 – 2022
Ph.D. in Technology and Social Behavior
Dissertation Title: *"In search of diverse and connected teams: examining how recommender systems help people assemble teams."* Committee: Noshir Contractor, Leslie DeChurch, Haoqi Zhang, Melissa Valentine.

Northwestern University — Evanston, IL, USA — 2016 – 2019
Master of Science in Technology and Social Behavior

Pontificia Universidad Católica de Chile — Santiago, Chile — 2011 – 2012
Master of Science in Computer Science

Pontificia Universidad Católica de Chile — Santiago, Chile — 2006 – 2010
Bachelor in Industrial Engineering and Information Technologies

ACADEMIC APPOINTMENTS

University of Notre Dame — South Bend, IN, USA — 2022 –
Assistant Professor — Department of Computer Science and Engineering
Assistant Professor (courtesy) — Mendoza College of Business

Northwestern University — Evanston, IL, USA — 2021 – 2022
Postdoctoral Fellow — Kellogg School of Management

Pontificia Universidad Católica de Chile — Santiago, Chile — 2016 – present
Adjunct Assistant Professor — School of Communication

Pontificia Universidad Católica de Chile — Santiago, Chile — 2013 – 2015
Instructor — School of Communication and Department of Computer Science

AWARDS & RECOGNITIONS

Academy of Management (AOM) — Chicago, United States — 2024
Best Paper Award and Best Student Award

Interdisciplinary Network for Group Research (INGRoup) — Germany — 2022
J. Richard Hackman Award for the Dissertation that Most Significantly Advances the Study of Groups

Northwestern University — School of Communication — United States — 2022
Graduate Dissertation Award

International Communication Association — United States — 2021
Top-4 Paper & Best Student Paper Award, Organizational Communication Division

ACM CHI Conference on Human Factors in Computing Systems — Honolulu, HI — 2020
Best Paper Honorable Mention

Northwestern University — Segal Design Institute — Evanston, IL — 2018-19
Design Cluster Fellowship

Northwestern University — Evanston, IL — 2016-
Doctoral Fellowship

Center for Work, Technology, and Organization — Stanford University — Palo Alto, CA — 2018
Ph.D. Travel Award

2017 Web Science Summer School — Saint Petersburg, Russia — 2017
Ph.D. Travel Award & Best Paper Award

Society of Young Network Scientists —— 2017 NetSci — Indianapolis, IN — 2017
Symposium Ph.D. Scholarship

Becas Chile — CONICYT — Santiago, Chile — 2016
Doctoral Fellowship

Department of Computer Science — Pontificia Universidad Católica de Chile — Santiago, Chile — 2013
Partnership Award

School of Engineering — Pontificia Universidad Católica de Chile — Santiago, Chile — 2013
Student Commencement

GRANTS

Notre Dame–IBM Technology Ethics Lab United States
Evaluation, Metrics, and Benchmarks for Generative AI Systems 2025
 PI; Award Amount $30,000

Notre Dame's Democracy Catalyst Funds United States
The Voices of Democracy: Stakeholder Impact on Chile's Constitutional Referendums 2025-2027
 PI; Award Amount $50,000

National Science Foundation United States
SOO: Collaborative Research: HNDS-R: Advancing Diverse Viable Effective Networked Teams (ADVENT) 2024-2027
 PI; Award Number: 2341431; Award Amount $400,000, Gomez-Zara's share: $200,000

National Science Foundation United States
SoS:DCI: Collaborative Research: Examining the effects of gender composition on disruptive science 2024-2026
 PI; Award Number: 2420981; Award Amount $400,000, Gomez-Zara's share: $200,000

Slack Inc. United States
Slack Academic Grant Program 2024
 PI; Award Amount $10,000, Gomez-Zara's share: $10,000

Alfred P. Sloan Foundation United States
Research Grant 2024-2026
 PI; Award Number: 2024-22427; Award Amount $500,000, Gomez-Zara's share: $250,000

Notre Dame Research United States
Equipment Purchase, Restoration & Renewal Program: Renewal of Notre Dame Virtual Reality Lab Hardware 2024
 Co-PI; Award Amount $61,450.00

Defense Advanced Research Projects Agency (DARPA) United States
EMHAT: Exploratory Models of Human-AI Teams 2024-2025
 ND's PI; Award Amount: $1,00,000, Gomez-Zara's share: $291,975

Notre Dame–IBM Technology Ethics Lab United States
Evaluation, Metrics, and Benchmarks for Generative AI Systems 2024
 PI; Award Amount $32,000, Gomez-Zara's share: $15,000

Microsoft Research United States
Accelerating Foundation Models Research 2023-2024
 PI; Award Amount: $20,000 in computing credits

Amazon Inc. United States
Amazon Research Award 2023
 PI; Award Amount: $70,000

National Science Foundation United States
Doctoral Dissertation Improvement Grant, DRMS 2020
 Co-PI; Award Number: 2021117, Award Amount: $31,916

Microsoft Research United States
Dissertation Grant 2020
 PI; Award Amount: $25,000

JOURNAL ARTICLES

Montero-Liberona, C., Campbell, D., Lammers, J., & **Gómez-Zará, D.** (2024). Cross-Disciplinary Communication in a Translational Medicine Center: An Analysis of Networks and Logics. *International Journal Of Communication*, 18, 23. https://ijoc.org/index.php/ijoc/article/view/19629

Gómez-Zará, D., Liu, Y., Neves, L., Shah, N., & Bos, M. (2024). Unpacking the exploration–exploitation tradeoff on Snapchat: The relationships between users' exploration-exploitation interests and server log data. *Computers in Human Behavior*, Volume 150, 108014. https://doi.org/10.1016/j.chb.2023.108014

Gómez-Zará, D., Schiffer, P., & Wang, D. (2023). The promise and pitfalls of the metaverse for science. *Nature Human Behaviour*, 7, 1237–1240. https://www.nature.com/articles/s41562-023-01599-5

Gómez-Zará, D., Das, A., Pawlow, B., & Contractor, N. (2022). In search of diverse and connected teams: a computational approach to assemble diverse teams based on members' social networks. *PLoS ONE*. 17(11): e0276061. https://doi.org/10.1371/journal.pone.0276061

Gómez-Zará, D., & Diakopoulos, N. (2020). Characterizing Communication Patterns between Audiences and Newsbots. *Digital Journalism,* 8:9, 1093-1113, https://doi.org/10.1080/21670811.2020.1816485

Gómez-Zará, D., Andreoli, S., DeChurch, L. A., & Contractor, N. S. (2019). Discovering collaborators online: Assembling interdisciplinary teams online at an Argentinian University. *Cuadernos.info*, (44), 21-41. https://doi.org/10.7764/cdi.44.1575

Parra, D., Trattner, C., **Gómez-Zará, D.**, Hurtado, M., Wen, X., & Lin, Y. R. (2016). Twitter in academic events: a study of temporal usage, communication, sentimental and topical patterns in 16 computer science conferences. *Computer Communications*, 73, 301-314. https://doi.org/10.1016/j.comcom.2015.07.001

Conference Proceedings

Almutairi, M., Chiang, C., Bai, Y., and **Gomez-Zara, D**. (2025) tAIfa: Enhancing Team Effectiveness and Cohesion with AI-Generated Automated Feedback. In *CHIWORK '25: Proceedings of the 4th Annual Symposium on Human-Computer Interaction for Work (CHIWORK '25)*, June 23–25, 2025, Amsterdam, Netherlands. ACM, New York, NY, USA, 27 pages. https://doi.org/10.1145/3729176.3729197

Gebreegziabher, S.A., Chiang, C., Wang, Z., Ashktorab, Z., Brachman, M., Geyer, W., Li, T.J., and **Gómez-Zará, D.**, (2025) MetricMate: An Interactive Tool for Generating Evaluation Criteria for LLM-as-a-Judge Workflow. In *CHIWORK '25: Proceedings of the 4th Annual Symposium on Human-Computer Interaction for Work (CHIWORK '25)*, June 23–25, 2025, Amsterdam, Netherlands. ACM, New York, NY, USA, 26 pages. https://doi.org/10.1145/3729176.3729199

Gómez-Zará, D., Pérez-Arredondo, C., and Parra, D. (2025) The Role of Organizations in Networked Mobilization: Examining the 2011 Chilean Student Movement Through The Logic of Connective Action. In *Proceedings of the 17th ACM Web Science Conference 2025* (Websci '25), May 20–24, 2025, New Brunswick, NJ, USA. ACM, New York, NY, USA, 10 pages. https://doi.org/10.1145/3717867.3717917

Fernandez-Espinosa, M., Clouse, K., Sellars, D., Tong, D., Bsales, M., Alcindor, S., Hubbard, T., Villano, M., and **Gomez-Zara, D.** (2025) Breaking the Familiarity Bias: Employing Virtual Reality Environments to Enhance Team Formation and Inclusion. In *CHI Conference on Human Factors in Computing Systems* (CHI '25), April 26- May 1, 2025, Yokohama, Japan. ACM, New York, NY, USA, 16 pages. https://doi.org/10.1145/3706598.3714127

Xing, Y., Ban, J., Hubbard, T., Villano, M., and **Gomez-Zara, D.** (2025). Immersed in my Ideas: Using Virtual Reality and LLMs to Visualize Users' Ideas and Thoughts. In *30th International Conference on Intelligent User Interfaces Companion* (IUI Companion '25), March 24–27, 2025, Cagliari, Italy. ACM, New York, NY, USA, 6 pages. https://doi.org/10.1145/3708557.3716330

Xing, Y., Liu, Q., Wang, J., and **Gomez-Zara, D.** (2025). sMoRe: Enhancing Object Manipulation and Organization in Mixed Reality Spaces with LLMs and Generative AI. In *30th International Conference on Intelligent User Interfaces Companion* (IUI Companion '25), March 24–27, 2025, Cagliari, Italy. ACM, New York, NY, USA, 5 pages. https://doi.org/10.1145/3708557.3716337

Gomez-Zara, D. (2024). Assigning or Recommending You a Team? The Algorithmic Effects on Team Formation and Performance. In *Academy of Management Proceedings* (Vol. 2024, No. 1, p. 12540). Valhalla, NY 10595: Academy of Management. https://doi.org/10.5465/AMPROC.2024.275bp

Balsara, D. & **Gómez-Zará, D.** (2024). Virtual Threads: A Systematic Literature Review of 10 Years of VR/AR/MR Adoption in Fashion Design. In *Proceedings of the 2024 ACM Designing Interactive Systems Conference*. Association for Computing Machinery, New York, NY, USA, 486–489. https://doi.org/10.1145/3643834.3661575

Huang, E.J., Garg, K., **Gómez-Zará, D.**, Hui, J., Kulkarni, C., Massimi, M., Churchill, E., & Gerber, E. (2023, October). Supporting Workers in Developing Effective Collaboration Skills for Complex Work. In *Companion Publication of the 2023 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '23 Companion)*. Association for Computing Machinery, New York, NY, USA, 486–489. https://doi.org/10.1145/3584931.3611290

Das, A., **Gómez-Zará, D.**, & Contractor, N. (2020, December). Forming Diverse Teams Based on Members' Social Networks: A Genetic Algorithm Approach. In *International Conference on Complex Networks and Their Applications* (pp. 346-357). Springer, Cham. https://doi.org/10.1007/978-3-030-65351-4_28

Kaven, E., Kaven, I., **Gómez-Zará, D.**, DeChurch, L., & Contractor, N. (2020, December). Assessing How Team Task Influences Team Assembly Through Network Analysis. In *International Conference on Complex Networks and Their Applications* (pp. 322-334). Springer, Cham. https://doi.org/10.1007/978-3-030-65351-4_26

Tyagi, A., **Gómez-Zará, D.**, & Contractor, N. S. (2020). Friendship, Advice, and Teams in Graduate Student Social Networks. In *2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*. IEEE. https://doi.org/10.1109/ASONAM49781.2020.9381366

Gómez-Zará, D., DeChurch, L. A., & Contractor, N. S., (2020). A Taxonomy of Team-Assembly Systems: Understanding How People Use Technologies to Form Teams. In *Proc. ACM Hum.-Comput. Interact.* 4, CSCW2, Article 181 (October 2020), 35 pages. https://doi.org/10.1145/3415252

Gómez-Zará, D., Guo, M., DeChurch, L. A., & Contractor, N. S. (2020). The impact of displaying diversity information on the formation of self-assembling teams. In *CHI Conference on Human Factors in Computing Systems*

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Proceedings (CHI 2020), April 25–30, 2019, Hawaii, USA. ACM, New York, NY, USA, 13 pages. https://doi.org/10.1145/3313831.3376654 - ***Best Paper Honorable Mention Award***

Alvarado García, A., Badillo-Urquiola, K., Barrera Machuca, M. D., Cibrian, F. L., Ciolfi Felice, M., Gaytán-Lugo, L S., **Gómez-Zará, D.**, Griggio, C. F., Silva-Prietch, S., Tejada, C., & Wong-Villacres, M. Fostering HCI Research in, by, and for Latin America. In *CHI Conference on Human Factors in Computing Systems Proceedings* (CHI 2020), April 25–30, 2019, Hawaii, USA. ACM, New York, NY, USA, 4 pages. https://doi.org/10.1145/3334480.3381055

Ichhaporia, R., **Gómez-Zará, D.**, DeChurch, L., & Contractor, N. (2020). A Network Approach to the Formation of Self-assembled Teams. *Complex Networks and Their Applications VIII*, 969–981. Springer International Publishing. https://doi.org/10.1007/978-3-030-36683-4_77

Harris, A. M., **Gómez-Zará, D.**, DeChurch, L. A., & Contractor, N. S., (2019). Joining together online: The trajectory of CSCW scholarship on group formation. In *Proc. ACM Hum.-Comput. Interact.* 3, CSCW, Article 148, 27 pages. https://doi.org/10.1145/3359250

Gómez-Zará, D., Chiuminatto, P., & Nussbaum, M. (2019). Using multimodal and hyperlinked representations of knowledge as academic writing aids. In *30th ACM Conference on Hypertext and Social Media (HT '19)*, September 17–20, 2019, Hof, Germany. ACM, New York, NY, USA, 5 pages. https://doi.org/10.1145/3342220.3343645

Gómez-Zará, D., Paras, M., Twyman, M., Ng, J., DeChurch, L. A., & Contractor, N. S. (2019). Who Would You Like to Work With?: Use of Individual Characteristics and Social Networks in Team Formation Systems. In *CHI Conference on Human Factors in Computing Systems Proceedings* (CHI 2019), May 4–9, 2019, Glasgow, Scotland UK. ACM, New York, NY, USA, 15 pages. https://doi.org/10.1145/3290605.3300889

Gómez-Zará, D., Boon, M., & Birnbaum, L. (2018). Who is the Hero, the Villain, and the Victim?: Detection of Roles in News Articles using Natural Language Techniques. In *23rd International Conference on Intelligent User Interfaces* (pp. 311-315). ACM. https://doi.org/10.1145/3172944.3172993

Gavilanes, R., **Gómez-Zará, D.**, Parra Santander, D., Trattner, C., Kaltenbrunner, A., & Graells, E. (2015). Language, twitter and academic conferences. In *Proceedings of the 26th ACM conference on hypertext & social media* (pp. 159-163). ACM. https://doi.org/10.1145/2700171.2791059

PRESENTATIONS, POSTERS, AND WORKSHOPS (WITHOUT PROCEEDINGS)

Gómez-Zará, D., Berente. N., ... (2024, August). *Computational Social Science in Management.* Paper Development Workshop hosted at the *Academy of Management (AOM) Annual Meeting.* Chicago, IL, USA.

Hubbard, T., ..., & **Gómez-Zará, D.** (2024, August). *Virtual Reality Research Professional Development Workshop.* Paper Development Workshop hosted at the *Academy of Management (AOM) Annual Meeting.* Chicago, IL, USA.

Larson, L., ..., & **Gómez-Zará, D.** (2024, August). *Innovations in Teaching Teamwork: AI & Advanced Technology.* Paper Development Workshop hosted at the *Academy of Management (AOM) Annual Meeting.* Chicago, IL, USA.

Banerjee, N. & **Gómez-Zará, D.** (2024, July). *All-Female Teams Produce More Disruptive Work.* Paper presented at the *International Conference for Computational Social Science (IC2S2).* Philadelphia, PA, USA.

Gómez-Zará, D. & Contractor, N. (2024, July). *Assigning or recommending you to a team? The Algorithmic Effects on Team Assembly and Performance.* Paper presented at the *International Conference for Computational Social Science (IC2S2).* Philadelphia, PA, USA.

Banerjee, N. & **Gómez-Zará, D.** (2024, July). *All-Female Teams Produce More Disruptive Work.* Paper presented at the *International Conference for Science of Science and Innovation (ICSSI).* Washington, DC, USA.

Gómez-Zará, D., Schiffer, P., Wang, D. (2024, July). *The promise and pitfalls of the metaverse for science.* Paper presented at the *International Conference for Science of Science and Innovation (ICSSI).* Washington, DC, USA.

Banerjee, N. & **Gómez-Zará, D.** (2024, June). *All-Female Teams Produce More Disruptive Work.* Workshop Paper presented at the *2024 NetSci's Networks in Science of Science Workshop.* Quebec City, Canada.

Sayadi, N. & **Gómez-Zará, D.** (2024, May). *Fostering Inclusive Virtual Reality Environments: Discussing Strategies for Promoting Group Dynamics and Mitigating Harassment.* Workshop Paper presented at the "Novel Approaches for Understanding and Mitigating Emerging New Harms in Immersive and Embodied Virtual Spaces" workshop. 2024 CHI Conference on Human Factors in Computing Systems, Hawaii, USA.

Almutairi, M. & **Gómez-Zará, D.** (2024, May). *Towards Effective Multidisciplinary Health and HCI Teams based on AI Framework.* Workshop Paper presented at the "Conducting Research at the Intersection of HCI and Health: Building and Supporting Teams with Diverse Expertise to Increase Public Health Impact" workshop. 2024 CHI Conference on Human Factors in Computing Systems, Hawaii, USA.

Banerjee, N. & **Gómez-Zará, D.** (2023, December). *All-Female Teams Produce More Disruptive Work.* Paper presented at the 2023 COSE Research Horizons Symposium. Notre Dame, IN, USA.

Almutairi, M. & **Gómez-Zará, D.** (2023, December). *AI in Online Education: Synergizing Non-verbal Engagement and Intelligent Team Formation.* Poster presented the 2023 COSE Research Horizons Symposium. Notre Dame, IN, USA.

Chiang, C. & **Gómez-Zará, D.** (2023, April). *Photo-Emojis for Human Connections.* Workshop Paper presented at the "Integrating Individual and Social Contexts into Self-Reflection Technologies" workshop. 2023 CHI Conference on Human Factors in Computing Systems, Hamburg, Germany.

Gómez-Zará, D. & Contractor, N. S. (2021, October). *Estudio de análisis de redes sociales temporales usando Relational Event Modeling.* Paper presented at 7ma Reunión Latinoamericana de Análisis de Redes Sociales. San Salvador de Jujuy, Argentina.

Gómez-Zará, D., DeChurch, L. A., & Contractor, N. S. (2021, August). *Do I Know You? The Effects of Social Capital on Self-Assembled Groups.* Paper presented at the 81st Annual Meeting of the Academy of Management.

Gómez-Zará, D., DeChurch, L. A., & Contractor, N. S. (2021, May). *Do I Know You? The Effects of Social Capital on Self-Assembled Groups.* Paper presented at the 71st Annual Conference of the International Communication Association.

Gómez-Zará, D., DeChurch, L. A., & Contractor, N. S. (2020, November). *Do I Know You? The Effects of Offline Social Capital on Self-Assembled Teams Online.* Paper presented at the 106th National Communication Association Annual Convention.

Gómez-Zará, D., Guo, M., DeChurch, L. A., & Contractor, N. S. (2019, October). *The diversity paradox: How perceived diversity affects group formation.* Paper presented at the Organizational Communication Mini Conference (OCMC), Urbana, IL, USA

Gómez-Zará, D., Pérez, C., Parra, D., & Contractor, N. S. (2019, May). *The role of organizations and individuals in connective action: A Social Network Analysis of a Social Movement's Frames promoted in Twitter.* Paper presented at the 69th Annual Conference of the International Communication Association, Washington, USA.

Gómez-Zará, D., Paras, M., Schecter, A., DeChurch, L. A., & Contractor, N. S. (2019, January). *Using relational event modeling for understanding team formation mechanisms in teams assembled online.* Paper presented at NetSciX, Santiago, Chile.

Gómez-Zará, D., Andreoli, S., DeChurch, L. A., & Contractor, N. S. (2018, October). *How can we assemble better interdisciplinary teams? The "My Dream Team" experience at the Universidad of Buenos Aires* at MESO Conference. Paper Presented at Contemporary Developments on Media, Culture and Society: Argentina and America Latina, Buenos Aires, Argentina.

Gómez-Zará, D., Ng, J., Twyman, M. Andreoli, S., DeChurch, L. A., & Contractor, N. S. (2018, July). *Social Cognition and Team Assembly: Competence, Warmth, or Embeddedness.* Paper presented at the Interdisciplinary Network for Group Research (INGRoup) Annual Meeting, Bethesda, MD.

Gómez-Zará, D., Ng, J., Twyman, M., DeChurch, L. A., & Contractor, N. S. (2018, March). *Social Cognition and Team Assembly: Competence, Warmth, or Embeddedness.* Paper Presented at the ATLAS' Teams Research Incubator Weekend, Evanston, IL, USA.

Gómez-Zará, D., Ng, J., Twyman, M. Andreoli, S., DeChurch, L. A., & Contractor, N. S. (2017, October). *Facilitating Effective Team Assembly: Leveraging Recommender Systems to Enable Successful Multidisciplinary Research Collaborations.* Poster presented at the Organizational Communication Mini Conference (OCMC), Athens, OH., USA

Gómez-Zará, D., Boon, M., & Birbaum, L. (2017, October). *Who is the Hero and Who is the Villain? Detection of Roles in News Articles by Using Sentiment Analysis.* Poster presented at the Computation + Journalism Symposium, Evanston, IL., USA

Gómez-Zará, D., Larson, L., Jones, B., DeChurch, L. A., & Contractor, N. S. (2017, May). *Leadership and Followership Emergence in Space Multiteam Systems.* Poster presented at the Web Science Summer School (WWSSS), Saint Petersburg, Russia.

Gibson, Z. M., Anton, G., Vermeer, W., **Gómez-Zará, D.**, Bain, C., Brady, C., . . . Contractor, N. S. (2017, July). *Cultivating the conference culture: The role of diversity in interdisciplinary meetings.* Paper presented at the 1st North American Social Networks Conference, Washington, D.C.

Gómez-Zará, D., Vermeer, W., Gibson, Z., Bain, C., Anton, G., Brady, C., . . . Contractor, N. S. (2017, July). *The role of brokers in academic network building.* Paper presented at the 1st North American Social Networks Conference, Washington, D.C.

Larson L. E., **Gómez-Zará, D.**, Jones B. R., DeChurch, L. A., & Contractor, N. (2017, July). *Social identity, social identification, and intergroup leadership.* In Brown, Tara (chair), *Dynamics at the boundaries is what matters.* Symposium presented at the Interdisciplinary Network for Group Research (INGRoup) Annual Meeting, Saint Louis, MO.

Gómez-Zará, D., Parra, D., García, C., & Contractor, N. S. (2017, June). *The role of social movement organizations and their leaders in Twitter: Evidence from the Chilean Student Movement.* Poster presented at the International School and Conference on Network Science (NetSci 2017), Indianapolis, IN.

Gómez-Zará, D., Parra, D., & Contractor, N. S. (2017, June). *Using relational event modeling to explain movements' emergence in Twitter: Evidence from the Chilean Student Movement.* Poster presented at the International School and Conference on Network Science (NetSci 2017), Indianapolis, IN.

Gómez-Zará, D., Parra, D., Pérez, C., Soto, A., García, C., & Contractor, N. S. (2017, May). *The role of social movement organizations in Twitter: Evidence from the Chilean Student Movement.* Paper presented at the 67th Annual Conference of the International Communication Association, San Diego, CA.

Fernández, F. J. & **Gómez-Zará, D.**. (2017, May). *Mejorando la calidad en la producción de noticias mediante la sistematización de la rutina periodística.* Paper presented at the annual Conference of the International Association for Media and Communication Research (IAMCR), Cartagena, Colombia.

DeChurch, L. A., Larson, L., Jones, B., **Gómez-Zará, D.**, & Contractor, N. S. (2017, May). *Social identification and leadership emergence within and between teams.* Paper presented at the Interdisciplinary Perspectives on Leadership Symposium, Mykonos, Greece.

DeChurch, L. A., Contractor, N. S., Niler, A., Mesmer-Magnus, J. R., Plummer, G., & **Gómez-Zará, D.** (2017, February). *Shared cognition in multiteam systems: A NASA space analog study.* Poster presented at the Organization Science Winter Conference, Park City, UT.

DeChurch, L. A., Larson, L., **Gómez-Zará, D.**, Jones, B. R., Contractor, N., & Johnson, J. (2017, January). *Leadership emergence in space multiteam systems.* Presented on a panel titled "Team, Training, and Performance Metrics" at the NASA Human Research Program Investigators' Workshop, Galveston, TX.

Gómez-Zará, D., Flores, P., Puente, S., & Pellegrini, S. (2015, October). *Work Key News: a web platform to support journalistic processes and editorial meetings.* Presentation at the Computation + Journalism Symposium, New York, NY.

Fernández, F.J., **Gómez-Zará, D.**, & Proust, V. (2015, September). *Appropriating the cyberspace: an immersive experience for college applicants.* Presented at the 5th European Immersive Education Summit (EiED2015), Université Paris-Sorbonne, Paris, France.

WORK IN PRESS, R&R, SUBMITTED

Fernandez-Espinosa, M., Gonzalez, M. , Weiser, J. , & **Gómez-Zará, D.** (In Press). Exploring How Domestic Workers Employ Technologies. In *Proc. ACM Hum.-Comput. Interact.* 4, CSCW2.

Garg, K., **Gómez-Zará, D.**, Gerber, E., Gargle, D., Contractor, N., Massimi, M. (In Press) What Remotely Matters? Understanding Individual, Team, and Organizational Factors in Remote Work at Scale. In *Proc. ACM Hum.-Comput. Interact.* 4, CSCW2.

Gómez-Zará, D. (In Press). Can AI truly be a collaborator? *ACM interactions.*

Gebreegziabher, S., Chiang, C., Ashktorab, Z., Brachman, M, Geyer, W., Li, T., & **Gómez-Zará, D.** (2025) METRICMATE: An Interactive Tool for Generating Evaluation Criteria for LLM-as-a-Judge Workflow. In Glowacka, D., Santoro, C., & Xiao, Z. (Eds.), *Joint Proceedings of the ACM IUI Workshops 2025, March 24-27, 2025, Cagliari, Italy.* (CEUR Workshop Proceedings). CEUR-WS.org.

Volkova, S., Nguyen, D., Penafiel, L., Kao, H., Cohen, M., Engberson, G., Cassani, L., Ford, T., Yankoski, M., Almutairi, M., Chiang, C., Banerjee, N., Belcher, M., Weninger, T., **Gomez-Zara, D.**, Rebensky, S. (In Press). VirtLab: Augmented Intelligence for Training and Evaluating Human-AI Team Dynamics through Digital Twin Interactions. In *Adaptive Instructional Systems. HCII 2025. Lecture Notes in Computer Science.*

Gómez-Zará, D., Valdivieso, H., Perez, J., Parra, D., Valenzuela, S. (R&R in *Digital Journalism*) Leveraging the Study of News Articles with Language Models: An Approach to Employ Artificial Intelligence in Journalism Studies.

Almutairi, M., Chiang, C., Bai, Y., & **Gómez-Zará, D.** (Submitted to ACM CHIWORK 2025). TAIFA: Enhancing Team Effectiveness and Cohesion with AI-Generated Automated Feedback

Gebreegziabher, S., Chiang, C., Ashktorab, Z., Brachman, M, Geyer, W., Li, T., & **Gómez-Zará, D.** (Submitted to ACM CHIWORK 2025). METRICMATE: An Interactive Tool for Generating Evaluation Criteria for LLM-as-a-Judge Workflow

Xing, Y., Bar, J., Hubbard, T., Villano, M., & **Gómez-Zará, D.** (Submitted to ACM C&C 2025). Immersed in my Ideas: Using Virtual Reality and Multimodal Interactions to Visualize Users' Ideas and Thoughts. https://arxiv.org/abs/2409.15033

Gómez-Zará, D., Kam, V., Chiang, C., Xia, KDeChurch, L., & Contractor, N. (Submitted to ACM FAccT 2025). Augmenting team diversity and performance by enabling agency and fairness criteria in recommendation algorithms. https://arxiv.org/abs/2410.00346

Work In Progress

Fernandez-Espinosa, M., Xing, Y., Sayadi, N., Liu, Q., Wang, S., & **Gómez-Zará, D.** (Expected submission for ISMAR 2025). Unleashing Mixed Reality for Team Meetings.

Chiang, C. & **Gómez-Zará, D.** (Expected submission for CHI 2026). The Evolution of Emojis for Sharing Emotions: A Systematic Review of the HCI Literature. https://arxiv.org/abs/2409.17322

Banerjee, N. & **Gómez-Zará, D.** (Expected submission for Nature). All-Female and Female-Led Teams Drive More Breakthrough Ideas in Science and Innovation.

Xing, Y., Wang, S., Liu, Q., & **Gómez-Zará, D.** (Expected submission for ISMAR 2025). sMoRe: Enhancing Object Manipulation and Organization in Mixed Reality Spaces with LLMs and Generative AI

Almutairi, M., Chiang, C., Banerjee, N, Ford, T., Yankoski, M., Weninger, T., & **Gómez-Zará, D.** (Expected Submission for EMNLP 2026). PuppeteerLLM: An LLM Simulation Tool for Human-AI Teams with Spatial and Temporal Dynamics

Sayadi, N., Co, S., & **Gómez-Zará, D.** (Expected submission for CSCW 2026). "Feeling that I was Collaborating with Them": A 20 years Systematic Literature Review of Social Virtual Reality Leveraging Collaboration. Pre-print: https://doi.org/10.48550/arXiv.2412.20266

Almutairi, M. & **Gómez-Zará, D.**. Facilitating Team Formation based on Users' Feedback: A Multi-Armed Bandit Approach.

Gómez-Zará, D., DeChurch, L., & Contractor, N. The Impact of Social Capital on Group Formation Online.

Book chapters

Gómez-Zará, D., & Julio, P., "Work Key development: an interdisciplinary work". In "Ordering Chaos: Management and process modeling on Communications Industry". Ediciones UC. Santiago, Chile. 2015. ISBN N° 978-956-14-1707-6

Teaching

University of Notre Dame:

CSE-40647 / CSE-60647: "Data Science" (Instructor): Spring 2024

MDSC-20009: "Introduction to Data Science" (Instructor): Spring 2023

CSE-40424: "Human Computer Interaction" (Instructor): Fall 2022, Fall 2023, Fall 2024

Northwestern University:

MSLCE-529: 2021 "Leveraging Networks in Creative Enterprises - Special Topics in Creative Enterprises" by Prof. Noshir Contractor (Teaching assistant)

Kellogg's Executive Program: 2020 & 2021 "Digital Transformation" session by Prof. Noshir Contractor (Teaching assistant)

"Computing Everywhere!": 2019 & 2020 Social Networks Session (Instructor)

Kellogg's Executive Program: 2018 & 2019 "Leading Into the Future" session by Prof. Noshir Contractor and Prof. Paul Leonardi (Teaching assistant)

IEMS-341: 2019 & 2021: "Social Network Analytics" by Prof. Noshir Contractor (Teaching assistant)

MSiA-490: 2018 "Special Topics: Social Network Analytics" by Prof. Noshir Contractor (Teaching assistant)

Custom Leadership Program - MSC-492-0: 2018 - 2020 "Understanding and Leveraging Networks" by Prof. Noshir Contractor (Teaching assistant)

Hybrid Leadership Program - MSC-492-6: 2018 - 2021 "Understanding and Leveraging Networks" by Prof. Noshir Contractor (Teaching assistant)

2018 Summer Institute in Computational Social Science: (Teaching assistant)

Pontificia Universidad Católica de Chile:

IIC-3130: 2014 & 2015 World Wide Web's Technologies and Applications (Instructor)

COM-117: 2015 & 2016 Interactive Media (Instructor)

COM-029: 2014, 2015, & 2016 Mobile Apps Workshop (Instructor)

IIC-1102: 2013, 2014, & 2015 Hypermedia In Knowledge Exchange (Instructor)

DNO-1002: 2013 Summer Mobile Apps Workshop (Instructor)
IIC-2154: 2011 Proyecto de Especialidad (Teaching assistant)
ICS-1800: 2010 & 2011 Introducción a las Política Públicas (Teaching assistant)
IIC-2763: 2010 Adopción de Tecnologías de Información (Teaching assistant)

MENTORING

Doctoral Students:
- Charles Chiang, *University of Notre Dame*, Ph.D. in Computer Science (2022-)
- Nandini Banerjee, *University of Notre Dame*, Ph.D. in Computer Science (2022-)
- Mohammed Almutairi, *University of Notre Dame*, Ph.D. in Computer Science (2023-)
- Niloofar Sayadi, *University of Notre Dame*, Ph.D. in Computer Science (2023-)
- Mariana Fernandez-Espinosa, *University of Notre Dame*, Ph.D. in Computer Science (2023-)
- Yunhao Xing, *University of Notre Dame*, Ph.D. in Computer Science (2023-)
- Jiarui Xia, *University of Notre Dame*, Ph.D. in Computer Science (2024-)

Undergraduate Students at Notre Dame:
- Andrew Congdon, *University of Notre Dame*, Major: Computer Science (2024)
- Bridget Lewis, *University of Notre Dame*, Major: Computer Science (2024)
- Hannah Huston, *University of Notre Dame*, Major: Computer Science (2024)
- Tom Lohman, *University of Notre Dame*, Major: Computer Science (2024)
- Jingwu Wang, *Rice University through the iSURE program*, Major: Computer Science (2024)
- Noor Achkar, *University of Notre Dame*, Major: Computer Science (2024)
- Jerrick Ban, *University of Notre Dame*, Major: Computer Science (2024)
- David Chirumbole, *University of Notre Dame*, Major: Computer Science (2024)
- Sadie Co, *University of Notre Dame*, Major: Computer Science (2024)
- Tara Devaraj, *University of Notre Dame*, Major: Computer Science (2024)
- Marc Edde, *University of Notre Dame*, Major: Computer Science (2024)
- Delna Balsara, *University of Notre Dame*, Major: Computer Science (2023-24)
- Katarina Vorne, *University of Notre Dame*, Major: Computer Science (2023-24)
- Kara Couse, *University of Notre Dame*, Major: Computer Science (2023-24)
- Dany Tong, *University of Notre Dame*, Major: Computer Science (2023-24)
- Dylan Sellars, *University of Notre Dame*, Major: Economy (2023-24)
- Michael Bsales, *University of Notre Dame*, Major: Economy (2023-24)
- Sophonie Alcindor, *University of Notre Dame*, Major: Finance (2023-24)
- Andrew Pelham, *University of Notre Dame*, Major: Computer Science (2023)
- Ruohan Lu, *Shanghai University through the iSURE program*, Major: Computer Science (2023)
- Luis Sosa, *University of Notre Dame*, Major: Computer Science (2023)
- Parker Scanlon, *University of Notre Dame*, Major: Computer Science (2023)
- Austin Chang, *University of Notre Dame*, Major: Computer Science (2023)
- Farah Khashman, *University of Notre Dame*, Major: Computer Science (2023)

Undergraduate Students at Northwestern University:
- Victoria Kam, *Northwestern University*, Major: Neuroscience and Cognitive Sciences (2021)
- Charlie Chiang, *Northwestern University*, Major: Computer Science (2022)
- Taylor Kesicki, *Northwestern University*, Major: Neuroscience and Cognitive Sciences (2021)
- Mark MacGuidwin, *Northwestern University*, Major: Industrial Engineering and Management Sciences (2024)
- Selena Suarez, *Northwestern University*, Major: Industrial Engineering and Management Sciences (2021)
- Isabella Melendez, *Northwestern University*, Major: Bio-engineering (2021)
- Jiayi Gu, *Northwestern University*, Major: Industrial Engineering and Management Sciences (2021)
- Shalom Alarape, *Northwestern University*, Major: Computer Science (2021)
- Natalia Simbolon, *Northwestern University*, Major: Sociology (2021)
- Amanda Sugiharto, *Northwestern University*, Major: Industrial Engineering and Management Sciences (2019)
- Mengzi Guo, *Northwestern University*, Major: Industrial Engineering and Management Sciences (2019)
- Matthew Paras, *Northwestern University*, Major: Industrial Engineering and Management Sciences (2018)
- Giovanna Varalta, *Northwestern University*, Major: Industrial Engineering and Management Sciences (2018)

High School Students:
- Emily Kaven, *Evanston Township High School District 202* (2020)
- Ilana Kaven, *Evanston Township High School District 202* (2020)
- Archan Das, *Illinois Mathematics and Science Academy* (2020)
- Rustom Ichhaporia, *Illinois Mathematics and Science Academy* (2019)

2025, March. **2025 SIAM Conference on Computational Science and Engineering**. Presentation at the Team Science in Computational Science and Engineering Workshop (CSE25).

2024, December. **University of Illinois**. Presentation at the Discovery Partners Institute.

2024, November. **Northeastern University**. Presentation at the Network Science Institute.

2024, August. **Aptima, Inc**. Presentation at the 2024 Brown Bag.

2024, July. **Network for the Public Communication of Science and Technology (PCST), Notre Dame**. Presentation at the 2024 PCST Science Communication Symposium.

2024, June. **2024 NetSci Conference, Quebec City, Canada**. Presentation at Networks of Science of Science Workshop.

2024, May. **Microsoft Research, Online**. Presentation at the 2024 Creativity Virtual Workshop.

2023, June. **Universidad del Desarrollo, Chile**. Presentation at Center of Data Science.

2023, June. **University of Notre Dame, USA**. Presentation at the ND Research Retreat.

2023, May. **RTX, USA**. Presentation at the AI-Day Technical Talk Series

2023, March. **Northwestern University, USA**. Presentation at the Center for Latinx Digital Media

2023, January. **MIT Media Lab - PUC, Chile**. Presentation at the MIT–Chile Human-Centered AI & Visualization Research Workshop

2022, October. **CHIWORK, USA**. Presentation at the CHIWORK Online Conversations

2022, August. **INSciTS, USA**. Presentation at the June 15 INSciTS Summer of Team Science Pre-Conference

2022, August. **University of Chicago, USA**. Presentation at the Department of Computer Science.

2021, August. **Universidad del Desarrollo, Chile**. Presentation at Center of Data Science.

2021, April. **Syracuse University**. Presentation at the School of Information.

2021, April. **Rutgers University**. Presentation at the School of Communication and Information.

2021, April. **George Mason University**. Presentation at the Department of Information Systems.

2021, February. **GeorgiaTech**. Presentation at the School of Interactive Computing.

2021, February. **University of Notre Dame**. Presentation at the Department of Computer Science Engineering.

2021, February. **Rutgers University.** Presentation at the Rutgers Byrne Seminar USA.

2021, February. **Kellogg School of Management**. Presentation at the Center of Science of Science and Innovation (CSSI).

2020, February. **University of Notre Dame**. Presentation at the Mendoza College of Business, Information Technology, Analytcis, and Operations (ITAO).

2020, February. **University of Michigan**. Presentation at the School of Information.

2019, December. **Northwestern University.** *A Network Approach to the Formation of Self-assembled Teams.* Presentation at the Northwestern Institute on Complex Systems (NICO), Evanston, USA.

2018, December. **Pontificia Universidad Católica de Chile**. *Exponential Random Graph Models: Uso de métodos estadísticos para el análisis de Redes Sociales.* Presentation at Facultad de Comunicaciones UC, Santiago, Chile.

2018, October. **Universidad de Buenos Aires**. *Assembly required. Organizing in the 21st century.* Keynote at CITEP, Buenos Aires, Argentina.

2018, April. **Universidad de Buenos Aires**. *¿Cómo conformar mejores equipos interdisciplinarios? La experiencia "My Dream Team" en CITEPLab.* Keynote at CITEP, Buenos Aires, Argentina.

2018, January. **Kellogg School of Management.** *The Role of Social Movements in Twitter: Evidence from the Chilean Student Movement.* Keynote at ENLACE Speak Series, Evanston, IL, USA.

2017, August. **Universidad de Buenos Aires**. *Entorno My Dream Team (MDT). Sistemas de recomendación y análisis de redes.* Presentation at CITEP, Buenos Aires, Argentina.

2017, August. **Pontificia Universidad Católica de Chile**. *Exponential Random Graph Models for Social Network Analysis.* Keynote at the SocVis Research Group, Santiago, Chile.

SERVICE

ACM CHI Conference on Human Factors in Computing Systems (CHI) *Associate Chair*	USA *2023-2024*
Academy of Management (AOM) Annual Meeting *Associate Editor*	USA *2024*
University of Notre Dame's Future Faculty Workshop *Panelist*	USA *2023-2024*
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) *Associate Chair*	USA *2023*
ACM Fairness, Accountability, and Transparency (FAccT) *Area Chair & Session Chair*	USA *2023*
ACM Conference on Computer-Supported Cooperative Work and Social Computing *Steering Committee*	USA *2019-2021*
ACM Conference on Intelligent User Interfaces (IUI) *Student Consortium Chair*	USA *2020-2021*
Northwestern NuTango *President*	Evanston, IL, USA *2017-2021*
Northwestern InfoSocial Graduate Conference *Publicity Chair*	Evanston, IL, USA *2017-2018*
Federación de Estudiantes UC *Consejero Territorial Ingeniería*	Santiago, Chile *2011*
Centro de Alumnos de Ingeniería UC *Jefe de Comunicaciones (Communication Chief)*	Santiago, Chile *2009*
Jóvenes Sin Fronteras *Webmaster*	Santiago, Chile *2006-2008*

REVIEWER

Journals: Scientific Reports (2024), New Media & Society (2024), EPJ Data Science (2024), PNAS Nexus (2023, 2024), The International Journal of Press/Politics (2023), MIS Quarterly (2023, 2022), AEJMC "Journalism and Mass Communication Quarterly", Routledge "Journalism Studies" (2022), Springer "International Journal of Information Technology & Decision Making", Springer "Computer Supported Cooperative Work", Cuadernos.info.

Funding agencies: National Science Foundation (Panelist, 2024), Alfred Sloan Foundation (2024), FONDECYT 2021.

Conferences: AOM 2023-25, CHIWORK 2025, CSCW 2018-25, CHI 2021-25, FAccT 2023, ICA (2019, 2023, and 2025), ICSSI 2024, IC2S2 2024, INGRoup 2018 & 2021, ICWSM 2018, MexicIHC 2021.

RESEARCH AREAS & SKILLS

Statistical Methods: Social network analysis, Exponential Random Graph Models (ERGM), Mixed-effect Logistic regression models, Generalized linear model (GLM), Hierarchical linear modeling (HLM), Structural equation modeling, Linear regressions, Logistic regressions, Cox regressions, ANOVA analysis, Predictive analysis, Stochastic Actor Oriented Models (SAOM), Relational event modeling (REM), Agent based models.

Computational methods: Natural language processing, Sentiment analysis, Topic modeling, Clustering analysis, REST APIs, Web Scraping.

Research skills: Data collection, Data Pre-processing, Experimental design, A/B Testing, Surveys, Interviews, Open-Axial Coding

Programming Languages: R, Python, Javascript, PHP, MySQL, Java, HTML, CSS, SQL, Lisp, LaTeX, Shell, MATLAB.

Technologies and Packages: BigQuery, GitHub, Linux, RStudio, NetLogo, NLTK, statnet, igraph, scikit-learn, pandas

Typesetting Tools: LaTeX, Microsoft Office, Google Docs.

Certificates and Academic Training

Kellogg School of Management, Northwestern University Evanston, IL, USA
Management for Scientists and Engineers 2020

Northwestern University Evanston, IL, USA
Center for Leadership Coaching Program 2019

Pontificia Universidad Católica de Chile Santiago, Chile
Teaching Certificate Program 2016 – 2017

Stanford University Palo Alto, CA, USA
Stanford Technology Venture Program 2013

Memberships

Academy of Management (AOM): Faculty membership

Association for Computing Machinery (ACM): Faculty membership

ACM Special Interest Group on Computer-Human Interaction: Faculty Membership

International Communication Association (ICA): Faculty membership

Interdisciplinary Network for Group Research (INGRoup): Faculty membership

Professional Experience

Northwestern University - Research Computing Services Evanston, IL, USA
Data Science Consultant Summer 2021

Snap Inc. Santa Monica, CA, USA
Research Internship Fall 2020

Chilean Ministry of Housing and Urban Planning Santiago, Chile
I.T. Internship Summer 2011

Languages

Spanish: Native

English: Fluent

Links

GitHub: https://www.github.com/dgzara

LinkedIn: https://www.linkedin.com/in/diego-Gómez-Zará/

Twitter: https://www.twitter.com/dgzara