
EDUCATION

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| Northwestern University <i>Ph.D. in Technology and Social Behavior</i> Dissertation Title: “Using team recommender systems to form functionally diverse teams.” Committee: Noshir Contractor, Leslie DeChurch, Haoqi Zhang, Melissa Valentine. | Evanston, IL 2016 – 2021 |
| Pontificia Universidad Católica de Chile <i>Master of Science in Computer Science</i> | Santiago, Chile 2011 – 2012 |
| Pontificia Universidad Católica de Chile <i>Bachelor in Industrial Engineering and Information Technologies</i> | Santiago, Chile 2006 – 2010 |

ACADEMIC APPOINTMENTS

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| Pontificia Universidad Católica de Chile <i>Adjunct Assistant Professor — School of Communication</i> | Santiago, Chile 2016 – present |
| Pontificia Universidad Católica de Chile <i>Instructor — School of Communication and Department of Computer Science</i> | Santiago, Chile 2013 – 2015 |

AWARDS & RECOGNITIONS

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| National Science Foundation <i>Doctoral Dissertation Improvement Grant, Decision, Risk, and Management Sciences (\$31,916)</i> | United States 2020 |
| Microsoft Research <i>Dissertation Grant</i> | United States 2020 |
| McKinsey & Company <i>Diversity Connect Program</i> | United States 2021 |
| ACM CHI Conference on Human Factors in Computing Systems <i>Best Paper Honorable Mention</i> | Honolulu, HI 2020 |
| Segal Design Institute — Northwestern University <i>Design Cluster Fellowship</i> | Evanston, IL 2018-19 |
| Northwestern University <i>Doctoral Fellowship</i> | Evanston, IL 2016- |
| Center for Work, Technology, and Organization — Stanford University <i>Ph.D. Travel Award</i> | Palo Alto, CA 2018 |
| 2017 Web Science Summer School <i>Ph.D. Travel Award & Best Paper Award</i> | Saint Petersburg, Russia 2017 |
| Society of Young Network Scientists — 2017 NetSci <i>Symposium Ph.D. Scholarship</i> | Indianapolis, IN 2017 |
| Becas Chile — CONICYT <i>Doctoral Fellowship</i> | Santiago, Chile 2016 |
| Department of Computer Science — Pontificia Universidad Católica de Chile <i>Partnership Award</i> | Santiago, Chile 2013 |
| School of Engineering — Pontificia Universidad Católica de Chile <i>Student Commencement</i> | Santiago, Chile 2013 |

CONFERENCE PROCEEDINGS

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 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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>

JOURNAL ARTICLES

Gómez-Zarà, D., & Diakopoulos, N. (In Press). Characterizing Communication Patterns between Audiences and Newsbots. *Digital Journalism*. <https://doi.org/10.1080/21670811.2020.1816485>

Gómez-Zarà, 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-Zarà, 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>

BOOK CHAPTERS

Gómez-Zarà, 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

PAPERS UNDER REVIEW

Gómez-Zarà, D., Pérez-Arredondo, C., & Parra, D. The structure of the connective action: an examination of the network configurations and organisations’ role in digital-enabled social movements. *Revise and resubmit at Information, Communication, and Society*.

WORK IN PROGRESS

Gómez-Zarà, D., DeChurch, L. A., & Contractor, N. S. Do I Know You? The Effects of Offline Social Capital on Self-Assembled Teams Online. *Accepted at the NCA 106th Annual Convention. Target journal: Management Information Systems Quarterly*.

Gómez-Zarà, D., DeChurch, L. A., & Contractor, N. S. Team Task and Team Self-Assembly: Assessing how Team Task Influences Individuals’ Teammate Choices Through Network Analysis.

Larson, L., **Gómez-Zarà, D.**, DeChurch, L. A., & Contractor, N. S. Origins of informal leadership in intergroup contexts. *Target journal: Journal of Applied Psychology*.

CERTIFICATES AND ACADEMIC TRAINING

Kellogg School of Management, Northwestern University
Management for Scientists and Engineers

Evanston, IL, USA
2020

Northwestern University
Center for Leadership Coaching Program

Evanston, IL, USA
2019

Pontificia Universidad Católica de Chile
Teaching Certificate Program

Santiago, Chile
2016 – 2017

Stanford University
Stanford Technology Venture Program

Palo Alto, CA, USA
2013

MEMBERSHIPS

Academy of Management (AOM): Student membership

Association for Computing Machinery (ACM): Student membership

International Communication Association (ICA): Student membership

TEACHING

Northwestern University:

“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: “Social Network Analytics” by Prof. Noshir Contractor (Teaching assistant)

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

MSC-492: 2018 - 2020 “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)

RESEARCH AREAS & SKILLS

Statistical Methods: Social network analysis, Exponential Random Graph Models, Mixed-effect Logistic regression models, Hierarchical lineal modeling, Structural equation modeling, Linear regressions, ANOVA analysis, Predictive analysis, Stochastic actor-based models, Relational event modeling, Agent based models.

Computational methods: Natural language processing, Sentiment analysis, Topic modeling, Clustering analysis.

Research skills: Data collection, Data pre-processing, Experimental design, A/B Testing.

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

Technologies: GitHub, Linux, RStudio, NetLogo, NLTK, statnet, igraph, Matlab

Typesetting Tools: L^AT_EX, Microsoft Office, Google Docs

PROFESSIONAL EXPERIENCE

Snap Inc.
Research Internship

Santa Monica, USA
2020

Chilean Ministry of Housing and Urban Planning
I.T. Internship

Santiago, Chile
2011

INVITED PRESENTATIONS

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

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

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

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

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

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

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

CONFERENCE PRESENTATIONS

Gómez-Zarà, 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-Zarà, 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-Zarà, D., Paras, M., Schechter, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zarà, 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-Zar4, 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-Zar4, 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-Zar4, D., Parra, D., Garc4a, 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-Zar4, 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-Zar4, D., Parra, D., P4rez, C., Soto, A., Garc4a, 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.

Fern4ndez, F. J. & **Gómez-Zar4, D.** (2017, May). *Mejorando la calidad en la producci3n de noticias mediante la sistematizaci3n de la rutina period4stica*. 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-Zar4, 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-Zar4, 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-Zar4, 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-Zar4, 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.

Fern4ndez, F.J., **Gómez-Zar4, D.**, & Proust, V. (2015, September). *Appropriating the cyberspace: an immersive experience for college applicants*. Presented at the 5th European Immersive Education Summit (EiED2015), Universit4 Paris-Sorbonne, Paris, France.

PROJECTS

My Dream Team: We developed a web-based team recommender tool with the goal of facilitating the assembly process of project teams. The platform provides the opportunity to better understand the assembly behaviors of people through the application of social science theories and the analysis of digital trace data.

Social Communications Lab: Interdisciplinary research group working to advance media innovation and technology implementation. <http://socialcomlab.uc.cl>

Work Key: A web-applications suite focused on the management of journalistic stories, corporate communications, and Film&TV productions. This work was funded by FONDEF D08I1082.

NIDEA: Worked with **Prof. Miguel Nussbaum** (Department of Computer Science) and **Prof. Pablo Chiuminatto** (School of Literature). NIDEA is a tool to create multimedia mind-maps based on documents uploaded by users. The application is available at <http://nidea.uc.cl>.

Hypermedia UC: Digital magazine created by students from the course 'Hypermedia In Knowledge Exchange'. Articles are available at <http://hipermedios.uc.cl>

KmCero FactChecking — Facultad de Comunicaciones UC: A series of talks by professors who share their research projects to general public. They were recorded and published at the university's web site. <http://pasion.uc.cl>.

Radio UC Elecciones FEUC — Facultad de Comunicaciones UC: A dedicated web site was designed to display the results from students elections. It offers a complete series of graphs and maps. It was used twice, having more than 100,000 visits. Graphs and maps are available at <http://www.radiouc.cl/resultados>

Pasi3n UC: A series of talks by professors who share their research projects to the general public. They were recorded and published on the university's web site. <http://pasion.uc.cl>.

SERVICE

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| ACM Conference on Intelligent User Interfaces (IUI) <i>Student Consortium Chair</i> | USA 2020-2021 |
| ACM Conference on Computer-Supported Cooperative Work and Social Computing <i>Steering Committee</i> | USA 2019-2020 |
| Northwestern NuTango <i>President</i> | Evanston, IL, USA 2017-2020 |
| Northwestern InfoSocial Graduate Conference <i>Publicity Chair</i> | Evanston, IL, USA 2017-2018 |
| Federación de Estudiantes UC <i>Consejero Territorial Ingeniería</i> | Santiago, Chile 2011 |
| Centro de Alumnos de Ingeniería UC <i>Jefe de Comunicaciones (Communication Chief)</i> | Santiago, Chile 2009 |
| Jóvenes Sin Fronteras <i>Webmaster</i> | Santiago, Chile 2006-2008 |

REVIEWER

Conferences: ICA 2019, CSCW 2018-19-20, INGRoup 2018, ICWSM 2018

Journals: International Journal of Information Technology & Decision Making, Cuadernos.info

COMPUTER SCIENCE COURSES TAKEN - PH.D. LEVEL

Social Network Analysis: Prof. Noshir S. Contractor

Social Media Mining: Prof. Alok Choudhary

Designing and Constructing Models with Multi-Agent Languages: Prof. Uri Wilensky

Machine Learning: Prof. Douglas Downey

Introduction to Natural Language Processing: Prof. Lawrence A. Birnbaum

Artificial Intelligence Programming: Prof. Christopher K. Riesbeck

Computational Social Science: Adam R. Pah

Predictive Analytics I: Prof. Ajit C. Tamhane

Special Topics Research Seminar: Design Research: Prof. Elizabeth Gerber

MANAGEMENT COURSES TAKEN - PH.D. LEVEL

Social Processes in Organizations: Prof. Jeanne Brett

Field Methods in Organizational Behavior: Prof. Edward J. Zajac

Computational Social Science: Methods and Applications: Adam Pah

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>