

# Yolanda C. Lin, E.I.T., Ph.D.

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## Education

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August 2018	<b>Cornell University, Ph.D.</b> <i>School of Civil and Environmental Engineering</i>
May 2014	<b>University of Colorado Boulder, M.S.</b> <i>Civil, Environmental, and Architectural Engineering</i>
June 2011	<b>Dartmouth College, A.B., B.E.</b> Majors: Engineering Sciences; Asian Studies

## Academic Appointments

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2022 – present	<b>Associate Director</b> Center for Advancement of Spatial Informatics Research & Education (ASPIRE), University of New Mexico
2021 – present	<b>Assistant Professor</b> Geography and Environmental Studies, University of New Mexico
2021 – present	<b>Research Assistant Professor (by letter of academic title)</b> Civil, Construction, and Environmental Engineering, University of New Mexico
2018 – 2020	<b>Research Fellow</b> Asian School of the Environment, Nanyang Technological University
2014 – 2018	<b>Graduate Research Assistant</b> Civil and Environmental Engineering, Cornell University
2012 – 2014	<b>Graduate Research Assistant</b> Civil, Environmental, and Architectural Engineering, University of Colorado Boulder

## Fellowships and Awards

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2022 – 2023	ECURE (Expanding Course-Based Undergraduate Research Experiences) Faculty Fellowship, University of New Mexico
2022	12NCEE Registration Grant Earthquake Engineering Research Institute
2018	Graduate Student School Outreach Program Teaching Fellow, Cornell University
2014 – 2015	Graduate School Fellowship, Cornell University
2012 – 2013	Dean's Graduate Assistantship for First-Year Students, University of Colorado Boulder
2011	Brianna S. Weinstein Engineering Design Prize, Dartmouth College
2011	Departmental High Honors, Engineering Sciences, Dartmouth College
2009 – 2011	Elizabeth (Libby) Meyers Brakeley '81 Memorial Endowed Scholar, Dartmouth College

## Publications

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\* indicates graduate student advisee, \*\* indicates undergraduate student advisee

### Peer-reviewed journal articles

- J9. **Yolanda C. Lin**, Gizem Mestav Sarica, **Terence J. Chua\*\***, Asa B. Stone, Susanna F. Jenkins, Adam D. Switzer, Gordon Woo, and David Lallemand. [Characterizing Drivers of Asia's Black Elephant Disaster Risks](#). *Earth's Future*, November 2022
- J8. Maricar L. Rabonza, **Yolanda C. Lin**, and David Lallemand. [Learning from success, not catastrophe: Using counterfactual analysis to highlight successful disaster risk reduction interventions](#). *Frontiers in Earth Science*, 10:847196, May 2022

- J7. **Yolanda C. Lin** and Christopher J. Earls. [Validation experiment of a single-view image sequence algorithm to identify scale and sea-state characteristics](#). *IEEE Journal of Oceanic Engineering*, 46(3), July 2021
- J6. **Yolanda C. Lin**, Feroz Khan, Susanna F. Jenkins, and David Lallemand. [Filling the disaster data gap: Lessons from cataloging Singapore’s past disasters](#). *International Journal of Disaster Risk Science*, 12:188–204, February 2021
- J5. **Yolanda C. Lin**, Susanna Jenkins, Jun Rui Chow, Sebastian Biass, Gordon Woo, and David Lallemand. [Modeling downward counterfactual events: Unrealized disasters and why they matter](#). *Frontiers in Earth Science*, 8:575048, November 2020
- J4. **Yolanda C. Lin** and Christopher J. Earls. [Multi-parameter stochastic inversion for first and second moment mass properties of a model-scale ship with topside ice accumulation](#). *Applied Ocean Research*, 82, January 2019
- J3. **Yolanda C. Lin**, Christopher J. Earls, Joel T. Park, and Tim C. Smith. [Stochastic inversion for the roll gyradius second moment mass property in ships at full-scale and model-scale](#). *Applied Ocean Research*, 63:24–35, February 2017
- J2. **Yolanda C. Lin**, Abhishek Paul, Ross B. Corotis, and Abbie B. Liel. [Framework methodology for risk-based decision making for transportation agencies](#). *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering*, 1(3):04015006, September 2015
- J1. Christopher M. Clark, **Yolanda C. Lin**, Britta G. Bierwagen, Laurence M. Eaton, Matthew H. Langholtz, Philip E. Morefield, Caroline E. Ridley, Laura Vimmerstedt, Steve Peterson, and Brian W. Bush. [Growing a sustainable biofuels industry: economics, environmental considerations, and the role of the Conservation Reserve Program](#). *Environmental Research Letters*, 8(2):025016, June 2013

## Peer-reviewed reports and conference proceedings

- C5. **Yolanda C. Lin**, David J. Wald, Eric M. Thompson, and David Lallemand. [Applying consequence driven scenario selection to lifelines](#). In *ASCE Lifelines 2022*, Los Angeles, CA, November 2022
- C4. **Yolanda C. Lin**, **Lindsey Rotche\***, Kuo-Wan Lin, Eric M. Thompson, and David Lallemand, Walt Peters, David J. Wald. [Earthquake scenario selection for portfolio holders in CEUS: a case study with Oklahoma DOT](#). In *12th National Conference in Earthquake Engineering*, Earthquake Engineering Research Institute, Salt Lake City, UT. November 2022
- C3. David Lallemand, Maricar Rabonza, **Yolanda C. Lin**, Sanjana Tadepalli, Dennis Wagenaar, Michele Nguyen, Jeanette Choong, et al. [Shedding Light on Avoided Disasters: Measuring the Invisible Benefits of Disaster Risk Management Using Probabilistic Counterfactual Analysis](#). *Global Assessment Report*. United Nations Office for Disaster Risk Reduction, May 2022
- C2. Maricar L. Rabonza, **Yolanda C. Lin**, and David Lallemand. [Celebrating Successful Earthquake Risk Reduction Through Counterfactual Probabilistic Analysis](#). In *17th World Conference on Earthquake Engineering*, Sendai, Japan, September 2020.
- C1. **Yolanda C. Lin** and Christopher J. Earls. [Stochastic inversion framework to monitor evolving mass properties of a ship at sea during arctic operations](#). In *The 30th American Towing Tank Conference*, October 2017

## Non-refereed academic and technical publications

- NR5. **Yolanda C. Lin**, Gizem Mestav Sarica, Terence J. Chua, Susanna F. Jenkins, Adam D. Switzer, Gordon Woo, and David Lallemand. [Asia's looming Black Elephant events](#). *Communications Earth & Environment*, 2(1):214, October 2021
- NR4. **Yolanda C. Lin**, David Lallemand, and Susanna Jenkins. [Counterfactual black swans workshop report](#). Workshop Report, Asian School of the Environment at Nanyang Technological University, 2019.
- NR3. Ross B. Corotis, Abbie B. Liel, **Yolanda C. Lin**, and Abhishek Paul. [Development of risk-based decision methodology for facility design](#). Technical Report CDOT-2014-4, Colorado Department of Transportation, June 2014
- NR2. **Yolanda Lin**, Emily Newes, Brian Bush, Steve Peterson, and Dana Stright. [Biomass Scenario Model documentation: Data and references](#). Technical Report NREL/ TP-6A20-57831, May 2013
- NR1. Emily Newes, Brian Bush, Daniel Inman, **Yolanda Lin**, Trieu Mai, Andrew Martinez, David Mulcahy, Walter Short, Travis Simpkins, and Caroline Uriarte. [Biomass resource allocation among competing end uses](#). Technical Report NREL/TP-6A20-54217, National Renewable Energy Laboratory, May 2012

## Presented work

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First author is presenter unless otherwise indicated

- P26. **Yolanda C. Lin**, Gizem Mestav Sarica, **Terence J. Chua\*\***, Asa B. Stone, Susanna F. Jenkins, Adam D. Switzer, Gordon Woo, and David Lallemand. "NH46A-01 - What's in a name? The need to acknowledge Black Elephant disaster risks." American Geophysical Union Fall Meeting, December 12-16, 2022, Chicago, IL. Oral presentation (**invited**).
- P25. **Tybur Q. Casuse\***, **Marisol C. Meyer\***, Mark C. Stone, Asa B. Stone, **Yolanda C. Lin**. "SY52A-02 - Shared.Futures SciArt Workshop and Exhibit: Communicating a Scientific Perspective Through An Artistic Medium" American Geophysical Union Fall Meeting, December 12-16, 2022, Chicago, IL. Oral presentation.
- P24. **Anistasia Baca\*\***, **Ria Mukerji\***, Lauren Vigil, **Lindsey Rotche\***, Su Zhang, Carolyn Hushman, Mark C. Stone, Fernando Moreu, **Yolanda C. Lin**. "NH35C-0502 - Developing Fragility Curves Towards Assessing Flood Risk in Ohkay Owingeh." American Geophysical Union Fall Meeting, December 12-16, 2022, Chicago, IL. Poster presentation.
- P23. **Yolanda C. Lin**, **Pratistha Sharma\***. "NH15D-0337 - Current challenges to creating and exercising effective earthquake scenarios in low to moderate seismic zones." American Geophysical Union Fall Meeting, December 12-16, 2022, Chicago, IL. Poster presentation.
- P22. **Cassandra Huneau\*\***, **Yolanda C. Lin**. "Game on! Investigating the landscape of disaster-related games," Southwest Division of the American Association of Geographers Meeting, Fayetteville, Arkansas. October 27-29, 2022. Oral presentation.
- P21. **Yolanda C. Lin**, **Lindsey Rotche\***, Kuo-Wan Lin, Eric M. Thompson, and David Lallemand, Walt Peters, David J. Wald. "Earthquake scenario selection for portfolio holders in CEUS: a case study with Oklahoma DOT," *12th National Conference in Earthquake Engineering*, Earthquake Engineering Research Institute, June 30, 2022, Salt Lake City, UT. Oral lightning presentation.
- P20. **Yolanda C. Lin**. "Natural Hazards and Risk Modeling." UNM-Diné College Summer Internship 2022: Geospatial Data Science, Environment, Community, and Health, June 20, 2022. Albuquerque, NM. Invited presentation.
- P19. **Yolanda C. Lin**, Alex Webster, Mark C. Stone (presenter) "Collaborative system modeling for resilient and sustainable water resources," Team Research Symposium at University of New Mexico, April 19, 2022. Albuquerque, NM. Invited lightning presentation.
- P18. **Yolanda C. Lin**, David Lallemand, **Lindsey Rotche\***, Eric M. Thompson, David J. Wald. "Introducing a consequence-driven framework for scenario selection: identifying the hazard events that matter," American Association of Geographers. February 28, 2022. Virtual conference. Oral presentation.

- P17. **Yolanda C. Lin.** “Geography 2115: Information design in science and society,” at “How to get started in community geography,” a workshop hosted by the R.H. Mallory Center for Community Geography, March 23, 2022. Albuquerque, NM. Invited lightning presentation.
- P16. **Yolanda C. Lin.** Panelist representing the Selection Committee on Best Practices and Advances in Data Visualization in “Dear Students and Early Career Professionals, What Are Your 2022 Summer Plans? AAG Summer Series!” American Association of Geographers. February 26, 2022. Virtual conference.
- P15. **Yolanda C. Lin,** David J. Wald, Eric M. Thompson, and David Lallemand. “Applying Consequence Driven Scenario Selection to Lifelines,” ASCE Lifelines Conference 2021-2022. February 9, 2022. Virtual conference. Oral presentation.
- P14. **Yolanda C. Lin** Pathways to effective earthquake scenarios in uncertain contexts. USGS Earthquake Science Center Seminar Series. November 10, 2021. Invited Seminar.
- P13. Sanjana Tadepalli, David Lallemand, Christina Chuang, and **Yolanda C. Lin.** Towards reflexive research in post disaster settings. *ASE and EOS Seminar Series*, September 17, 2021. Singapore. Invited seminar.
- P12. **Yolanda C. Lin,** Maricar Rabonza, and David Lallemand. Uncovering Invisible Benefits of Disaster Risk Management through Counterfactual Risk Analysis. *Natural Hazards Workshop and Researchers Meeting*, July 11-15, 2021. Virtual conference. Oral presentation.
- P11. **Yolanda C. Lin,** Sabine Loos, and Arogya Koirala. DAT/Artathon: a workshop at the intersection of risk, resilience, data, and art. *Natural Hazards Workshop and Researchers Meeting*, July 11-15, 2021. Virtual conference. Poster presentation.
- P10. **Yolanda C. Lin.** Counterfactual Thinking and Perceptions of Risk. *Understanding Risk 2020*. December 2, 2020, virtual conference. Oral presentation and panelist.
- P9. **Yolanda C. Lin,** Susanna Jenkins, David Lallemand, and Gordon Woo. Consequence-driven, counterfactual framework for multi-hazard scenario development. *American Geophysical Union*, December 10, 2019 in San Francisco, CA. Poster presentation.
- P8. **Yolanda C. Lin,** Susanna Jenkins, David Lallemand, and Gordon Woo. Uncovering black swan events: consequence-driven seismic risk assessment of critical infrastructure in Singapore. *Asia Oceania Geosciences Society Annual Meeting*. July 29, 2019 in Singapore. Oral presentation.
- P7. **Yolanda C. Lin,** Susanna Jenkins, David Lallemand, and Gordon Woo. In the absence of consequential past events for disaster risk analysis: a counterfactual framework for uncovering black swans. *Natural Hazards Workshop and Researchers Meeting*, July 14-18, 2019 in Broomfield, CO. Oral presentation.
- P6. **Yolanda C. Lin,** Susanna Jenkins, David Lallemand, Gordon Woo, and Jun Rui Chow. Consequence-driven risk framework for uncovering black swan events: volcanic ash in Singapore. *European Geosciences Union General Assembly*, April 7-10, 2019 in Vienna, Austria. Oral presentation.
- P5. **Yolanda C. Lin** and Daniela M Martinez Lopez. The Earthquake Engineering Research Institute’s undergraduate seismic design competition: An organizer’s perspective. *American Society of Engineering Education St. Lawrence Section Conference*, April 20-21, 2018 in Ithaca, NY. Poster presentation.
- P4. Justyna W. Kosianka and **Yolanda C. Lin.** Built to stand! Introducing kindergarteners to the fundamentals of structural engineering. *American Society of Engineering Education St. Lawrence Section Conference*, April 20-21, 2018 in Ithaca, NY. Poster presentation.
- P3. **Yolanda C. Lin.** Ice aboard!? Monitoring ice accumulation on a ship surface during Arctic operation. *Civil and Environmental Engineering Graduate Student Seminar at Cornell*. November 16, 2017 in Ithaca, NY. Seminar.
- P2. **Yolanda C. Lin** and Christopher J. Earls. Stochastic inversion framework to monitor evolving mass properties of a ship at sea during arctic operations. *30th American Towing Tank Conference*, October 3-5 2017 in West Bethesda, Maryland. Oral presentation.
- P1. **Yolanda C. Lin** and Christopher J. Earls. Convergence study for stochastic inversion framework to monitor evolving surface ship mass properties during Arctic operations. *Society of Industrial and Applied Math Conference on Computational Science and Engineering*, February 28, 2017 in Atlanta, Georgia. Poster presentation.

## Funding

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### Funding related to research

FR8	The CONVERSE Center: CONverging on Volcanic ERuption Science with Equity Funding source: National Science Foundation Role: Senior personnel Award amount and period: \$499,088 (9/1/22-8/31/24)
FR7	Understanding benefits of earthquake early warning to technical users Funding source: U.S. Geological Survey Role: PI Award amount and period: \$36,086 (3/8/22-5/31/23)
FR6	SRS RN: Transforming Rural-Urban Systems: Trajectories for Sustainability in the Intermountain West Funding source: National Science Foundation Role: Senior personnel Award amount and period: \$14,999,681 (9/15/2021-8/31/2026)
FR5	Consequence-driven earthquake scenario selection in low to moderate seismic hazard regions Funding source: WeR1: Investing in Faculty Success Faculty Scholarship Time (FaST), University of New Mexico Role: PI Award amount and period: \$5,300 (8/1/22-12/31/22)
FR4	SCC-CIVIC-FA Track B: Low-Cost Efficient Wireless Intelligent Sensors (LEWIS) for Greater Preparedness and Resilience to Post-Wildfire Flooding in Native American Communities Funding source: National Science Foundation Role: Co-PI Award amount and period: \$1,000,000 (10/1/2021-1/31/2023)
FR3	Developing a consequence-driven risk framework for earthquake scenario selection in stable continental regions Funding source: U.S. Geological Survey Role: PI Award amount and period: \$90,049 (7/15/21-7/14/23)
FR2	Assessing counterfactuals as a mechanism for disaster risk communication Funding source: Research Allocation Committee, University of New Mexico Role: PI Award amount and period: \$3,969 (3/15/2021-2/15/2023)
FR1	SCC-CIVIC-PG Track B: Low-Cost Efficient Wireless Intelligent Sensors (LEWIS) for Greater Preparedness and Resilience to Post-Wildfire Flooding in Native American Communities Funding source: National Science Foundation Role: Co-PI Award amount and period: \$50,000 (1/15/21-6/30/21)

### Funding/resources related to teaching

FT5	Technology Enhanced Learning Studios (TELS): Geography 2115, Information Design for Science and Society Funding source: University of New Mexico TELS Award amount and period: Studio classroom use for Spring 2023 (1/15/23-5/15/23)
FT4	Expanding Course Based Research Experiences (ECURE) Implementation Fellowship Funding source: ECURE Program at the University of New Mexico Award amount and period: \$1,920 (funding for 1 UG student, 10 hrs/week, \$12/hr, 16 weeks) (8/15/22-5/15/22)
FT3	Peer Learning Facilitator Program: Geography 2115, Information Design for Science and Society

	Funding source: Peer Learning Facilitator Program at the University of New Mexico Award amount and period: \$1,920 (funding for 1 UG student, 10 hrs/week, \$12/hr, 16 weeks) (8/15/22-5/15/22)
FT2	R.H. Mallory Center for Community Geography Seed Funding for Community Engaged Classrooms: Geography 2115, Information Design for Science and Society Funding source: R.H. Mallory Center for Community Geography at the University of New Mexico Award amount and period: \$1,000 (7/1/22-6/30/23)
FT1	R.H. Mallory Center for Community Geography Seed Funding for Community Engaged Classrooms: Geography 2115, Information Design for Science and Society Funding source: R.H. Mallory Center for Community Geography at the University of New Mexico Award amount and period: \$1,000 (7/1/21-6/30/22)

## Teaching

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### Instructor of Record (University of New Mexico)

Spring 2023	<b>Information Design for Science and Society (GEOG2115)</b>
Fall 2022	<b>Environmental Systems Modeling (GEOG423/GEOG523/EPS445/WR595)</b>
Spring 2022	<b>Information Design for Science and Society (GEOG2115)</b>
Spring 2022	<b>Nature and Society (GEOG365/SUST402)</b>
Spring 2021	<b>Nature and Society (GEOG365/SUST402)</b>

### Guest lectures

Fall 2022	‘Black elephant risks: What are they & what can we do about them?’ Course: <b>Risk Analysis in Earth Sciences</b> at Pennsylvania State University Instructor: Dr. Antonia Hadjimichael
Fall 2021	‘Downward Counterfactual Scenarios’ Course: <b>Hazards &amp; Disasters</b> at the University of New Mexico Instructor: Dr. Cait Lippitt

### Co-Instructor

Spring 2019	<b>ES 7023 Fundamentals of Data Science for Earth and Environmental Systems Science</b> Main Instructor: Dr. David Lallemand at Nanyang Technological University
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### Teaching Assistant

Fall 2017	<b>CEE 5720 Introductory Finite Element Analysis with Applications</b> Instructor: Dr. Christopher Earls at Cornell University
Summer 2017	<b>ENGRG 1060 Explorations in Engineering</b> Instructor: Dr. Bruce van Dover at Cornell University
Spring 2014	<b>CVEN 6505 Earthquake Engineering</b> Instructor: Dr. Abbie Liel at University of Colorado Boulder
Spring 2011	<b>ENGS 51 Principles of System Dynamics</b> Instructor: Steve Peterson at Dartmouth College
Fall 2009	<b>ENGS 21 Introduction to Engineering</b> Instructor: Dr. John P. Collier at Dartmouth College

## Leadership, Service, and Outreach

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### Service and Professional Activity

## Reviewer activity

2022	<i>Earthquake Spectra</i> (2 articles)
2022	USGS review panelist
2022	NSF review panelist
2022	<i>Scientific Data</i> (1 article)
2022	<i>12th National Conference in Earthquake Engineering</i> (3 articles)
2021	NSF, 1 ad hoc proposal
2021	<i>Climate Risk Management</i> (1 article)

## Professional activity, including conference and workshop leadership

2022	<b>American Geophysical Union Fall Meeting 2022</b> NH15D - Earthquake Scenario Development, Deployment, and Uses, <i>Session Lead Convener</i>
2022	<b>12th National Conference on Earthquake Engineering</b> T.S.41 Equity, Resilience, and Policymaking, <i>Session Moderator</i>
2022	<b>2022 Risk and Resilience DAT/Artathon Workshop</b> , <i>Lead organizer</i>
2022	<b>American Association of Geographers Annual Meeting</b> Community Engagement in Hazard Preparedness & Response Across Differing Methodologies, <i>Session Co-convener</i>
2021 – 2022	<b>EERI Younger Members Committee</b> , <i>School Earthquake Safety Initiative Committee Liaison</i>
2021 – 2022	<b>AAG Learning Series for Graduate Students</b> . <i>Selection Committee on Best Practices and Advances in Data Visualization (2021-present)</i>
2021	<b>Honing your data visualization skills for Earthquake Engineering</b> , <i>Presenter</i> . Invited workshop hosted by the Earthquake Engineering Research Institute (EERI) Younger Members Committee
2021	<b>2021 Risk and Resilience DAT/Artathon</b> , <i>Co-organizer</i>
2021	<b>Natural Hazards Researchers Meeting</b> , <i>Organizing committee</i>
2021	<b>AGU Resilience Position Statement</b> , <i>Writing panel</i>
2020	<b>Understanding Risk Forum</b> DAT/Artathon, <i>Session Co-Convener</i>
2020	<b>2020 Risk and Resilience DAT/Artathon</b> , <i>Co-organizer</i>
2020	<b>Natural Hazards Workshop and Researchers Meeting</b> Session 5-3: The Vital Role of Information in Shaping Resilience Decisions, <i>Session Moderator</i>
2019	<b>Counterfactual Black Swans Workshop</b> , <i>Organizing Committee</i>
2019	<b>Asia Oceania Geosciences Society Annual Meeting</b> Natural Hazards and Disaster Risk: Current and Historical Perspectives, <i>Session Chair</i>
2019	<b>Natural Hazards Workshop and Researchers Meeting</b> , <i>Organizing Committee</i> Transdisciplinary data convergence in the Asia-Pacific region, <i>Session Convener</i>
2018	<b>American Society of Engineering Education St. Lawrence Section Conference</b> Outreach and STEM Initiatives, <i>Session Chair</i> Exploring Methods to Address Undergraduate Research, <i>Session Chair</i>
2018 – present	<b>EERI Younger Members Committee</b> . <i>YMC Seminar Series Chair (2019-20)</i> , <i>School Earthquake Safety Initiative Committee Liaison (2021-present)</i>
2015 – 2018	<b>EERI Student Leadership Council</b> . <i>Co-President (2017-18)</i> , <i>Secretary (2016-17)</i>
2015 – 2018	<b>Cornell University EERI Student Chapter</b> . <i>Vice President (2016-18)</i>
2013 – 2014	<b>University of Colorado Boulder EERI Student Chapter</b> . <i>President (2013-14)</i>

## University Service

## University of New Mexico

2022-present	Associate Director, Center for Advancement of Spatial Informatics Research & Education
2022 – 2023	Outreach committee, Department of Geography and Environmental Studies
2022 – 2023	Facilities and Space Committee, Department of Geography and Environmental Studies
2022	Poster judge for the Undergraduate Research Opportunity Conference at the University of New Mexico (April 7, 2022)

## Nanyang Technological University

2019 – 2020	Professional Development Series for ASE and EOS Research Fellows. <i>Founder, Co-Chair</i>
2019 – 2020	Singapore Humanitarian Network. <i>Data Management and Modelling Working Group Co-Chair</i>

## Cornell University

2014 – 2018	Civil and Environmental Engineering Graduate Student Association. <i>President (2015-16), Student Assembly Representative (2014-2015), Seminar Chair (2014-15, 2017-18), Photographer (2016-17)</i>
2016 – 2018	Engineering Graduate Student Association. <i>Vice President (2017-18), Interdepartmental Chair (2016-17)</i>
Spring 2017	femSTEM. <i>Mentor</i>

## Dartmouth College

2011 – present	Dartmouth Alumni Undergraduate Admissions. <i>Interviewer</i>
2009 – 2011	Women in Science Project. <i>Peer Mentor</i>

## K-12 Outreach

Spring 2018	GRASSHOPR Graduate Student School Outreach Program (Cornell). <i>Teaching Fellow</i>
Spring 2017	Expanding Your Horizons (Cornell). <i>Volunteer</i>
2014 – 2015	Exploring Young Engineers and Scientists' Lego Robotics Outreach (Cornell). <i>Volunteer</i>
Spring 2014	Shades of Blue (Lockheed Martin and EERI). <i>Guest instructor</i>
2010 – 2011	After School Science (Thayer School of Engineering). <i>Volunteer, Secretary</i>

## Industry experience

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Summer 2013	<b>Hinman Consulting Engineers</b> , Structural Intern (San Francisco, CA)
2011 – 2012	<b>National Renewable Energy Laboratory</b> , Energy Analyst (Golden, CO)
Summer 2010	<b>Northrop Grumman Corporation</b> , Intern (El Segundo, CA)
Winter 2010	<b>Advanced Transit Dynamics, Inc</b> , Intern (South San Francisco, CA)

## Licenses, skills, and training

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Licenses	EIT (NH #5633)
Software	MATLAB, R, Python, ADINA, SAP2000, LaTeX, MS Office
Training	EERI Learning From Earthquakes Travel Study in New Zealand (2019) Coleman Leadership Program at Cornell University (2018) AAAS Catalyzing Advocacy for Science & Engineering Workshop (2018) NextProf Fall Workshop at the University of Michigan (2017)



## Professional memberships and affiliations

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2021 - present	Sustainability Studies Program at the University of New Mexico
2021 - present	American Association of Geographers
2021 - present	Resilience Institute at the University of New Mexico
2021 - present	ASPIRE at the University of New Mexico
2019 - present	American Geophysical Union
2012 - present	Earthquake Engineering Research Institute