

**Richard “Drew” Marcantonio**

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**EDUCATION:**

- 2021 **Joint-Ph.D. *Peace Studies and Anthropology***, Kroc Institute for International Peace Studies, University of Notre Dame. Graduate Certificate in Environment and Society.
- 2018 **M.A. *Anthropology***, University of Notre Dame.
- 2016 **M.P.A. *Environmental Management and Policy***, Indiana University School of Public and Environmental Affairs.
- 2009 **B.A. *Geography and the Environment***, University of Texas at Austin.

**ACADEMIC POSITIONS:**

- 2023 – present **Assistant Teaching Professor**, Meyers Business on the Frontlines Program, Department of Management and Organization, Mendoza College of Business, University of Notre Dame. Faculty Fellow at the Kroc Institute, Kellogg Institute, the Lucy Institute, the Environmental Change Initiative and the Deloitte Center for Ethical Leadership.
- 2022 – present **Visiting Assistant Professor**, Università degli Studi di Milano (University of Milan), School of Law, Program on International and Public Law, Ethics, and Economics for Sustainable Development (one Ph.D.-level course taught annually)
- 2022 **Postdoctoral Research Associate**, Department of Management and Organization, Mendoza College of Business, University of Notre Dame. Fellow at the Kroc Institute, Kellogg Institute, the Lucy Institute, and the Environmental Change Initiative.
- 2021 – 2022 **Postdoctoral Research Scholar**, Kroc Institute for International Peace Studies, University of Notre Dame. Fellow at the Kellogg Institute, the Lucy Institute, and the Environmental Change Initiative.

**BOOKS/MONOGRAPHS:**

*Published*

**Marcantonio, R.** (2022) *Environmental Violence: In the Earth System and the Human Niche*. Cambridge University Press. (awarded an international recognition from the International Science Prize for Peace and Ecology in the Anthropocene sponsored by Hans Gunter Brauch Foundation)

Lame, M. and **Marcantonio R.** (2022) *Environmental Management: Concepts and Practical Skills*. Cambridge University Press.

*In press and in production*

**Marcantonio, R.**, Fuentes, A., and Lederach, J.P. eds. (In press; expected early 2024) *Exploring Environmental Violence: Perspectives, experience, expression, and engagement*. Cambridge University Press.

**Marcantonio, R.** (In production; contracted) *The Environment for Peace: Accounting for the Environment and Enterprise in Peace Accords*. Springer Nature.

**Marcantonio, R.** and Cooper, A. (In production) *Fieldwork Planning Guidebook*.

**PEER-REVIEWED ARTICLES:**

\*indicates authorship in alphabetical order

**20. Marcantonio, R.**, and Fuentes A. In press. Environmental Violence: A tool for planetary health research. *Lancet Planetary Health*.

**19. Ross, A., Marcantonio, R.**, Mack, E., Bunting, E., Zimmer, A., and Miller-Graff, L. 2023. A Mediation Analysis of the Linkages Between Climate Variability, Water Insecurity, and Interpersonal Violence. *Climate and Development*.

**18. Bolten, C. and Marcantonio, R.** (2023). Farming for the Devil: Agricultural Loans, Education, and “The Poverty Trap” in Rural Sierra Leone. *Economic Anthropology*. <https://doi.org/10.1002/sea2.12256>

**17. Marcantonio, R.** (2022). Toxic Diplomacy Through Environmental Management: A Necessary Next Step for Environmental Peacebuilding. *World Development Perspectives*, 28, Article 100471

**16. Mack, E. A., Marcantonio, R.**, Bunting, E., Ross, A., Zimmer, A., Zulu, L. C., Fernández, E. L. G., Herndon, J., & Henebry, G. M. (2022). A Systematic Literature Review of Quantitative Studies Assessing the Relationship between Water and Conflict on the African Continent. *Sustainability*, 14(22), Article 22

**15. Hook, K. and Marcantonio, R.** 2022. Environmental Dimensions of Conflict and Paralyzed Responses: The Ongoing Case of Ukraine and Future Implications for Urban Warfare. *Small Wars and Insurgencies*.

**14. Marcantonio, R.**, Fields, S., Javeline, D., and Fuentes, A. 2021. Global distribution and coincidence of pollution, climate impacts, and health risk in the Anthropocene. *PLOS ONE*. Vol. 16 (7) e0254060

**13. Pearson, A. L., Mack, E. A., Ross, A., Marcantonio, R.**, Zimmer, A., Bunting, E., Smith, A. C., Miller, J. D., and Evans, T. 2021. Interpersonal conflict over water is associated with household demographics, domains of water insecurity and broader conflict: Evidence from 9 sites across 8 Sub-Saharan African countries. *Water*. Vol. 13 (9) p. 1150

**12. Bolten, C. and Marcantonio, R.** A. 2021. The Paradox of Planning: Agriculture, Schooling, and the Unresolved Uncertainty of Ideal Family Size in Rural Sierra Leone. *African Studies Review*. Vol. 64 (2) p. 390-411

11. \*Bunting, E., Herndon, J., Mack, E., **Marcantonio, R.**, Ross, A., and Zimmer, A. 2021. Conflict and its Relationship to Climate Variability in Sub-Saharan Africa. *Science of the Total Environment*. Vol. 775 p. 145646

10. **Marcantonio, R.A.**, Field, S., Bai Sesay, P. and Lamberti, G. 2021. Identifying Human Health Risk from Precious Metal Mining in Sierra Leone. *Regional Environmental Change*. Vol. 21 (2) p. 1-12

9. **Marcantonio, R. A.**, Field, S. and Regan, P. M. 2020. Toxicity Travels in a Changing Climate. *Environmental Science and Policy*. Vol. 114 p. 560-569. (In Special Issue: The Socio-Political Dimensions of Climate Mitigation and Adaptation (In)Action)

8. **Marcantonio, R. A.** and Fuentes, A. 2020. A Clear Past and a Murky Future: Life in the Anthropocene on the Pampana River, Sierra Leone. *Land*. Vol. 9 (3) p. e72.

7. **Marcantonio, R. A.**, Field, S. and Regan, P. M. 2019. Toxic Trajectories Under Future Climate Conditions. *PLOS ONE*. Vol. 14 (12) p. e0226958.

6. **Marcantonio, R. A.** 2019. Water, Anxiety, and the Human Niche: A Study in Southern Province, Zambia. *Climate and Development*. Vol. 11 (4) p. 1-13

5. **Marcantonio, R. A.** and Bolten, C. 2019. Farmers Facing Climate Change in Southern Zambia. *Journal of Transdisciplinary Peace Praxis*. Vol. 1 (1) p. 61-84.

4. **Marcantonio, R. A.** 2018. Water Insecurity, Illness and Other factors of Everyday Life: A Case Study from Choma District, Southern Province, Zambia. *Water SA*. Vol. 44 (4) p. 653-663

3. **Marcantonio, R. A.**, Attari, S. Z., and Evans, T. 2018. Farmer Perceptions of Conflict Related to Water in Zambia. *Sustainability*. Vol. 10 (2) p. 313-331.

2. **Marcantonio, Richard.** 2017. Peace, Conflict, and Happiness. *International Journal on World Peace*. Vol. 24 (2) p. 77-100.

1. **Marcantonio, R.** 2016. The Okavango River Basin Agreement: An Analysis. *African Geographical Review*. Vol. 35 (3) p. 227-246

*Peer-reviewed articles under review or in production*

**Marcantonio, R.** Under review. Environmental violence and Enterprise: the outsized role of business for environmental peacebuilding. *Business Horizons*. (invited article for Special Issue)

**Marcantonio, R.** Under review. Environmental violence for peacebuilding. *Journal of Peace Research*.

Underwood, A., **Marcantonio, R.**, and Crippa, P. In production. Transboundary air pollution modeling, policy, and management. *Environmental Management*.

Mulrow, J. and **Marcantonio, R.** In production. Trading one environmental violence for another: (un)Just green transition potential. *Sustainability Science*.

**OTHER ARTICLES/ESSAYS/LETTERS:**

**Marcantonio, R.,** Katsos, J, and Miklian, J. Regenerating ecologies and economies for society: Challenges and guideposts for Ukraine and beyond. *Global Policy*.

**Marcantonio, R.** 2023. Ukraine, the Environment, and Negotiating Peace. *Peace Policy*.

**Marcantonio, R.** 2023. Environmental Management: A Critical Tool for Environmental Peacebuilding. *New Security Beat*.

Lame, M. and **Marcantonio, R.** 2022. Environmental managers needed to hold thin green line of climate change. *The Hill*.

**Marcantonio, R.** 2022. A Case Study in the Environmental Risks of War: Kyiv Hydroelectric Power Plant. *The Center for Climate and Security*.

Hook, K. and **Marcantonio R.** 2022. Grappling with environmental risks in the fog of war. *Bulletin of Atomic Scientists*. (also published by Le Scienze, the Italian edition of Scientific American)

**Marcantonio, R.,** Crema, L., and Sullivan, M. 2021. The UN declared a Clean Environment a right. Now what? *Dignity and Development*.

**Marcantonio, R.** 2021. Air pollution kills: Making that official can help us tackle it. *Grist*.

**Marcantonio, R.** and Hook, K. 2020. The Environment in Warfare-Related Policy Making: The case of Ukraine. *Small Wars Journal*.

Hook, K. and **Marcantonio, R.** A. 2018. War-related Environmental Disaster in Ukraine. *The Bulletin of Atomic Scientists*.

**Marcantonio, R.** and Lame, M. 2016. Message to Trump and State Governors: Stop the War on the Environment. *The Hill*.

**Marcantonio, Richard.** 2015. Military and Environmental Management: A Comparative Look. *Journal of Environmental Management Arizona*. Vol. 12 (2) p. 6-7

**EXPERT MEDIA COVERAGE (quoted):**

-USA Today      -Bulletin of Atomic Scientists      -Publico      -The Hill      -Le Scienze  
-MSNBC      -Mongabay      -Indian Express      -Times of India      -Mongabay

## **COMMISSIONED REPORTS:**

**Marcantonio, R.** 2019. Illegal Mining and Contamination Along the Pampana River. Report written for the Conservation Society of Sierra Leone, the Sierra Leone Environmental Protection Agency, and the Sierra Leone National Protected Areas Authority.

**Marcantonio, R.** 2019. Feasibility of Residential and Health Clinic Rebuild in Abaco, The Bahamas Post-Hurricane Dorian. Report written for Team Rubicon and the Pan-American Health Organization.

**Marcantonio, R.** 2018. Impact of Residential Roof Rebuild in Puerto Rico Post-Hurricane Maria. Report written for Team Rubicon.

**Marcantonio, R.** 2016. Smallholder Farmer Perceptions and Responses Related to Water Issues in Choma District, Southern Province, Zambia. Report written for the Zambian Agricultural Research Institute and the Zambian Ministry of Agriculture.

**Marcantonio, R.** and Freeland, J. 2012. Critical Skills Assessment of the Afghan National Army 2<sup>nd</sup> Kandak, 1<sup>st</sup> Regiment. Report written for International Security Assistance Force - Partnered Forces Command, Afghanistan.

**Marcantonio, R.** 2011. Assessment of Village Stabilization through Agricultural Development in Tughay, Sangin District, Helmand Province, Afghanistan. Report written for US Agency for International Development and Regimental Combat Team – 5 Command, Afghanistan.

## **RESEARCH GRANTS:**

- |                  |   |
|------------------|---|
| <b>2023</b>      | <b>Notre Dame Big Idea Cluster R, Co-PI, \$358k</b> (under review) for ‘Comparative Best Practices in Peace Agreements and Environmental Peacemaking: Guiding the Development of Peace Agreements and their Environmental Provisions’ |
| <b>2022</b>      | <b>National Science Foundation DISES, Co-PI, \$1.4 million</b> (under review) for ‘From airsheds to neighborhoods – Trans-scalar integrated air pollution modeling for environmental management and justice’                          |
| <b>2022-2024</b> | <b>John Templeton Foundation Cultural Evolution Society Transformation Fund, Co-PI, \$43K</b> awarded for ‘Cultural Evolutionary Theory and Natural Resource Management Working Group’  |
| <b>2022-2024</b> | <b>The Lucy Institute for Data and Society, Co-PI, \$120k</b> (initial seed grant) for ‘Toxic Air Pollution Modelling, Policy, Management, and Justice’   |
| <b>2022</b>      | <b>Humanity United and the Omidyar Network, Co-PI, \$10k</b> (initial seed grant)   |
| <b>2019-2021</b> | <b>National Science Foundation Socio-Environmental Synthesis Center Pursuit, Co-PI, \$143K</b>  |
| <b>2019</b>      | <b>GLOBES Program Mini-Grants Research Award, University of Notre Dame, \$2500</b>  |

- 2019**      **Institute for Scholarship in the Liberal Arts Graduate Student Research Award**, University of Notre Dame, \$3750
- 2018**      **GLOBES Program Mini-Grants Research Award**, University of Notre Dame, \$3500
- 2018**      **Institute for Scholarship in the Liberal Arts Graduate Student Research Award**, University of Notre Dame, \$3750
- 2018**      **Anthropology Field Research Development Grant**, Anthropology Department, University of Notre Dame, \$2K
- 2017**      **Kellogg Institute Graduate Research Grant**, Kellogg Institute for International Studies, University of Notre Dame, \$4624
- 2017**      **Kroc Institute Summer Professional Development Grant**, Joan B. Kroc Institute for International Peace Studies, University of Notre Dame, \$2K
- 2016**      **Sustainability Research Development Grant**, Office of Sustainability, Indiana University, \$8,200

**ACADEMIC FELLOWSHIPS AND HONORS:**

- 2022**      **Integration Project Award**, Lucy Institute for Data and Society, University of Notre Dame – awarded to project team (see project below)
- 2016-2021**      **Richard and Peggy Notebaert Premier Fellowship**, the Graduate School, University of Notre Dame, top competitive fellowship offered by the Graduate School, \$534K
- 2019-2021**      **Dolores Zohrab Liebmann Fellowship**, The Liebmann Foundation, \$252K
- 2017**      **Mullen Family Fellow**, The Joan B. Kroc Institute for International Peace Studies, University of Notre Dame
- 2015 – 2016**      **Pat Tillman Foundation Scholar** (competitive fellowship for veteran leaders), \$15K
- 2015-2016**      **Scott Chilcote Fellowship**, School of Public and Environmental Affairs, Indiana University, \$1K
- 2005-2009**      **Naval Reserve Officer Training Corps Scholarship**, University of Texas at Austin, \$105K
- 2006-2008**      **Varsity Letter and Academic All-Big 12 Football First Team**, University of Texas at Austin

## **PUBLIC PRESENTATIONS AND PANELS:**

### *Professional Conferences / Invited Lectures*

- 2023** Heinrich Boll Stiftung Foundation – Bogota Office. “Environmental Violence and Peacebuilding”, invited lecture.
- 2022** Pat Tillman Foundation and Georgetown University. “Climate and Healthcare”, invited panel chair.
- 2022** Humanity United and Alliance for Peacebuilding. “The Environment in the Colombian Peace Agreement and Implementation”, invited co-panelist.
- 2022** Deloitte Leadership Institute Scholars Colloquium. “The Ethics of Environmental Dimensions of the Russian War of Aggression in Ukraine” invited lecture
- 2022** Summer Leadership Seminar at the University of Notre Dame. “Environmental Violence in Everyday Life”, invited lecture
- 2022** Earth Week Series at the College of Lake County’s Center for Nonviolence. “Environmental Risks in the Fog of War-Ukraine”, co-presented with Dr. Kristina Hook
- 2022** Environmental Policy Series Lecture at the School of Public and Environmental Affairs at Indiana University – Bloomington. “Environmental Management for Environmental Peacebuilding”, invited lecture
- 2022** Barrows Fellows Lecture at Marine Corps University. “Migration and Climate Change: Environmental stress as the dominant mobilizer in the 21<sup>st</sup> century”, invited lecture
- 2022** USAID Environmental and Natural Resources Conflict and Violence Working Group Brief. “Environmental Violence: It’s causes, consequences, distribution, and antidotes”, invited lecture
- 2021** Environmental Peacebuilding Association Annual Meeting. “Environmental Violence in Environmental Peacebuilding” discussed as a panelist for a session titled “Peace Innovations”
- 2019** Joan B. Kroc Institute Sustainable Peace Conference. “Environmental Violence in Peace Studies and Everyday Life” in a panel forum, and also participated as a discussant on roundtable discussion titled “Sustainable Peace in the Anthropocene?”
- 2019** Sierra Leone Conservation and Environmental Protection Conference. Presented research findings of ongoing work with the Conservation Society of Sierra Leone on the Pampana River watershed to the Sierra Leone Environmental Protection Agency, National Protected Areas Authority, the Ministry of Mines, the Ministry of Agriculture, Forestry, and Food Security, and multiple international NGOs.
- 2019** University of Notre Dame Student Peace Conference, invited moderator for panel titled “Sustainable Peace, Sustainable Futures”

- 2018** University of Notre Dame Student Peace Conference, invited moderator for panel titled “Seeing the World Through a Peacebuilder's Lens: Visual Representations of Conflict”
- 2018** The American Anthropological Association Annual Conference in Washington, D.C. Presented a paper titled “Conflict, Contamination, and Anxiety: Environmental violence from water issues in Southern Province, Zambia”
- 2017** The Global Family for Love and Peace Think Tank Meeting in Yangon, Myanmar. Presentation titled “Environmental Ethics, Perspectives, and Narratives”
- 2017** Society for Applied Anthropology Annual Conference in Sante Fe, New Mexico. Presented a paper titled “Water Scarcity and Implications of Conflict in Southern, Zambia”

*Public forum presentations*

- 2023** Office of Sustainability Earth Day Panel on “Climate Justice”. Invited panelist.
- 2020** Joan B. Kroc Institute *Shaping Peace Together: Envisioning a Post-Pandemic World*. Invited panelist to speak on the topic of Covid-19, Climate Change, and Envisioning Positive Peace.
- 2020** Joan B. Kroc Institute *Kroc Cast: Peace Studies Conversations*. Podcast panel discussion titled “The Coronavirus Crisis through Gender, Environmental, Anthropological and Indigenous Lenses”
- 2018** Izaak Walton League of America, South Bend, Indiana. Presentation titled “Human Modification of the Global Landscape”
- 2016** Center for Social Concerns at the University of Notre Dame Labor Café in Notre Dame, Indiana. Presentation titled “Laboring Under Climate Change”

**CONFERENCES CONVENED:**

- 2022** “ND-RAND Inaugural Forum for Competitive Statecraft”. Chief of Staff for conference co-hosted by the University of Notre Dame and the RAND Corporation hosting 40+ exclusively high-level participants ranging from a 4-star General to the former Administrator of USAID.
- 2022** “Gathering of the Hearts: Braiding our ways of being”. Lead Convener with John Paul Lederach and Agustin Fuentes for wholly virtual public and private sessions attended by >100 participants. Gathering funded by Humanity United.

**FUNDED RESEARCH PROJECTS:**

- 2022-present** **Comparative Best Practices in Peace Agreements and Environmental Peacemaking: Guiding the development of peace agreements and their environmental provisions,** Notre Dame, IN and Bogota, Colombia  
I am a Co-PI, with Josefina Echavarria Alvarez, investigating best practices for the inclusion of environmental provisions in conflict mediation and peace agreement design



and implementation. The Peace Accord Matrix (PAM) at the Kroc Institute for International Peace Studies is uniquely positioned to tap into this potential, given its depth of knowledge about implementation data of 34 peace accords globally and its practice expertise by engaging with conflict parties and mediators worldwide about peace accord design and verification. In particular, the ongoing implementation of the 2016 Colombian Final Accord, for which PAM is the official monitoring authority, offers an inimitable case for developing knowledge about environmental provisions and peace accord implementation and design with great potential for informing best practices in other contexts. Utilizing these unrivaled resources, we will work with the European Institute of Peace (EIP) to develop a series of best practices policy papers and peer reviewed research articles to scope and build the canon of environmental peacebuilding through peace agreements.

- 2022-present** **From airsheds to neighborhoods – Trans-scalar integrated air pollution modeling for environmental management and justice**, Notre Dame, IN and Chicago, IL  
I am a Co-PI with Diogo Bolster, Stefano Castruccia, Paola Crippa, and Daniel Woods. This project will develop a new trans-scalar framework, spanning from the airshed down to neighborhood level, to understand and improve the interactions between air quality, regulatory policy and their resulting impact on public health, to reduce population human health risk exposure and thus enhance urban sustainability (Figure 1). Such an approach will be tested over a large region in the United States characterized by complex air pollution dynamics, including transboundary pollution, and also comprising distinct geophysical, economic, political and societal features. A transcalar monitoring and management framework that effectively encloses a functional airshed but can also be downscaled to show community level variations in exposure is essential to attributing realized health outcomes to the sources producing pollution and then effectively regulating them.
- 2018-2022** **The Effects of Extreme Weather Exacerbated by Climate Change**, Notre Dame, IN and disaster sites across North America.  
I lead this project in partnership with Team Rubicon, an international disaster relief organization, to better understand survivor perceptions and experience with climate-driven disasters and associated contexts. The goal is to refine and expand current measures of disaster and their impacts on everyday life, especially non-economic forms of loss and damage, and map the unequal distribution of risk, vulnerability, and impacts along lines of race, ethnicity, socioeconomic status, citizenship status, and other factors. Methods include participant-observation, semi-structured interviews, elemental analysis of environmental samples, spatial analysis, and visual data collection. This project is part of my “Environmental Violence in the Earth System and the Human Niche” project.
- 2017-2022** **Toxic Pollution in the Pampana and its Effect on Everyday Life**, Notre Dame, IN and Tonkolili and Koinadugu Districts, Sierra Leone.  
I led this project in partnership with riparian communities whose daily lives are being disrupted by mining operations that are degrading the lands and river that they rely on for their everyday practices, needs, and wellbeing. Methods include ethnography, focus group discussions, environmental quality and risk assessment, elemental and spatial analysis, and visual data collection. The project was partnered with the Conservation

Society of Sierra Leone, a local grassroots organization. This project was part of my “Environmental Violence in the Earth System and the Human Niche” project.

**2015-2018**     **Water Scarcity and Implications of Conflict in Zambia**, Bloomington, IN and Southern Province, Zambia.  
Led and executed an interdisciplinary and multi-method project partnered with the Zambian Agricultural Research Institute investigating new approaches for exploring diverse forms of conflict—from intrapersonal to direct violence—under varying conditions imposed by climate change at the individual, household, intercommunity and intra-community scales.

**2016**     **Contiguous Conservation Corridor Development**, Bloomington, IN.  
Led a six-person research team in developing an assessment model calibrated by economic cost, ecological value, and continuity of land parcels to produce a cost-efficient contiguous conservation corridor from Bloomington, IN to the confluence of the Wabash and Ohio Rivers. This project supported planning of the Eastern Tallgrass Prairies and Big Rivers Landscape Conservation Cooperative in the US Department of the Interior and the non-profit organization Sycamore Land Trust.

**2015-2016**     **Agricultural Decision Making and Adaptive Management Project at the Center for the Study of Institutions, Population, and Environmental Change**, Bloomington, IN and Southern Province, Zambia.  
This project aims to create models of smallholder decision making in the face of climate and water variability, and to determine factors that lead to increased adaptation and resilience. Designed and executed field data collection and analysis and served as the operational planner and coordinator.

**2012**     **Afghan Army Critical Skills Assessment, 1<sup>st</sup> Marine Expeditionary Force Directed Research and Assessment**, Musa Qaleh District, Helmand Province, Afghanistan.  
Design quantitative and qualitative assessment methodology to evaluate all units of the ANA battalion; Collect and organize data in order to determine trends and shortfalls through data analysis; develop a training plan addressing those skills which must be progressed in order to facilitate ANA battalion’s assumption of security lead.

**2011**     **Commander’s Emergency Relief Fund Leader, RCT-5 and Afghan Government Directed Research and Development**, Sangin District, Helmand Province, Afghanistan.  
Collect data on and assess basic infrastructure and economic shortfalls within assigned area and determine feasibility of addressing identified issues; Design, develop, and execute small scale projects through local personnel and leadership promoting sustainable progress and practices; Appropriated \$115,000 in development funds.

## **PROFESSIONAL EXPERIENCE:**

### *Leadership and Management*

**Team Rubicon, International Medical Team Leader**, 2018 – Present

- Medical Team Leader for a 13-person team comprised of emergency medicine physicians, nurse practitioners, nurses, paramedics, and a communications specialist
- Plan and execute security, logistical, communications, mobility, and sustainment needs in austere environments for extended durations to provide medical services to affected people and communities
- Coordinate efforts with UN OCHA cluster leads and adjacent government, non-government, and private disaster aid and relief teams.

### *Teaching*

#### *Academic*

- Fall 2023**     **University of Notre Dame**, Notre Dame, IN  
 Social Entrepreneurship (undergrad)  
 Foundations of Ethical Behavior
- Spring 2023**     **University of Notre Dame**, Notre Dame, IN  
 Business on the Frontlines (MBA, MGA, and Law)
- Fall 2022**     **Università degli Studi di Milano**, Milan, Italy  
 Environmental Violence and Peacebuilding (PhD)
- Fall 2021**     **University of Notre Dame**, Notre Dame, IN  
 Global Environmental Change and the Human Niche (undergrad)
- Spring 2018**     **University of Notre Dame**, Notre Dame, IN  
 Preparing for the Field (grad)
- Fall 2017**     **University of Notre Dame**, Notre Dame, IN  
 Co-Instructor, Structural Violence (grad/undergrad)
- 2015-2016**     **Indiana University**, Bloomington, IN  
 Environmental Management (grad/undergrad)  
 Natural Resource Management and Policy (grad/undergrad)

#### *Workshops*

- May 2018**     **Eck Institute for Global Health**, Notre Dame, IN  
 Designed and led course of instruction for a 2-day training workshop titled “Preparing for the Field” for 28 Global Health Master’s students preparing for international fieldwork in 23 different countries.

#### *Professional Trainings*

- 2015-present**     **Pinnacle Leadership, LLC**, Bloomington, IN  
 Leadership Development Trainer  
 Lead leadership development seminars and training events for clientele (>1,000 to date) ranging from corporate executives to collegiate athletes focusing on resiliency, synergy, initiative, and servant leadership.
- 2012**     **United States Marine Corps**, Helmand Province, Afghanistan  
 Instructor Trainer, Mobile Training Cadre Team

Designed and led training of critical skills for Afghan Army and Police leadership (~45 instructors and 1,100 personnel trained) resulting in the creation of an organic, sustainable training cadre and center of excellence.

**2011**      **United States Marine Corps**, Helmand Province, Afghanistan  
Instructor Trainer, Afghan Army Small Unit Leaders Training  
Led daily training sessions with Afghan Army soldiers and commanders (~80 personnel) in counterinsurgency and village stabilization operations.

**2010-2013**      **United States Marine Corps**, Camp Pendleton, California  
Instructor Trainer and Lead Instructor, Military Operations Training  
Designed and led daily training ranging from indigenous population interactions and data collection to offensive and village stabilization operations for 48 Marines and Sailors.

### **FIELD CERTIFICATIONS:**

American Mountain Guide Association – Single Pitch Instructor  
Wilderness Medical Association – Wilderness First Responder  
Leave No Trace Trainer  
American Red Cross: First Aid / CPR / AED  
International Association of Public Participation: Crisis Communications Communicator

### **PROFESSIONAL MEMBERSHIPS:**

Environmental Peacebuilding Association  
International Studies Association – Environmental Studies Section and Peace Studies Section  
Sigma Xi – The Scientific Research Honor Society  
Society for Catholic Scientists

### **INSTRUMENTATION AND INFORMATION TECHNOLOGY:**

#### *Instrumentation*

Bruker Tracer 5i portable X-ray Fluorescence Spectrometer  
Milestone DMA-80 Tricell Direct Mercury Analyzer  
Thermo Fisher Scientific Inductively Coupled Plasma – Optically Emission Spectrometer  
Hach 2100Q Portable Turbidimeter  
Global Positioning System – Multiple devices and systems

#### *Software*

Fully functional: Minitab 19; Google Earth Pro; QGIS; SAS; Microsoft suite  
Manager's functionality: ArgGIS; R; STATA

### **OTHER DEMONSTRATED SKILLS:**

Strategic Planning  
Measurement and Evaluation  
Leadership Development  
Outdoor Education  
Expedition and Fieldwork Planning