

COURTNEY PAGE-TAN, PH.D.

Embry-Riddle Aeronautical University • Daytona Beach, FL
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CURRENT POSITION

Assistant Professor of Human Resilience, 2020 - Present
Embry-Riddle Aeronautical University - Worldwide

EXPERIENCE

Postdoctoral Fellow in Computational Social Science, 2019 - 2020
The Quantitative Analysis Center, Wesleyan University

Teaching/Research Assistant to Professor Daniel Aldrich, Department of Political Science, Northeastern University 2015 -2019

Principal Investigator, Commissioned Report for Cambridge Mayor's Special Advisory Committee on Neighborhood-Based Resiliency 2017 - 2019

Research Assistant, DHS Regional Resiliency Assessment Program Grant 2017

Independent Instructor, Department of Political Science, Purdue University 2015

Teaching Assistant, Department of Political Science, Purdue University 2014 -2015

Research Assistant, Mellon Challenge Exploratory Grant 2015

Adjunct Professor, Department of Political Science, Seton Hall University 2014

Global Health Governance Intern, Council on Foreign Relations 2013

Human Resources Intern, British Embassy 2012

Graduate Assistant, School of Diplomacy and International Relations, Seton Hall University 2011 -2013

EDUCATION

Ph.D., Political Science, Department of Political Science, Northeastern University May 2019
Advisor: Daniel Aldrich, Ph.D.
Major Field: Public Policy, Minor Field: International Relations
Dissertation Title: "The Strength of Hyperlocal Ties"

M.A., Diplomacy and International Relations, School of Diplomacy & International Relations, Seton Hall University December 2013
Advisor: Martin Edwards, Ph.D.
Major Fields: International Organizations and Global Health and Human Security

M.P.A., Department of Political Science, Seton Hall University December 2013
Advisor: Matthew Hale, Ph.D.
Major Fields: Public Service, Leadership, Governance and Policy

B.S., Political Science and International Relations, Department of Political Science, Indiana Wesleyan University April 2008

REFEREED ARTICLES AND BOOK CHAPTERS

Page-Tan, C. (2021). Bonding, bridging, and linking social capital and social media use: How hyperlocal social media platforms serve as a conduit to access and activate bridging and linking ties in a time of crisis. *Natural Hazards*, 1-22. <https://doi.org/10.1007/s11069-020-04397-8>

Page-Tan, C. (2020) The role of social media in disaster recovery following Hurricane Harvey. *Journal of Homeland Security and Emergency Management*. <https://doi.org/10.1515/jhsem-2018-0054>

Aldrich, D.P. and **Page-Tan, C.** (2020) Oasis of resilience? An empirical investigation of rainwater harvesting systems in high poverty, peripheral communities. *Economics of Disasters and Climate Change*. <https://doi.org/10.1007/s41885-019-00050-2>

- Aldrich, D.P., **Page-Tan, C.** and Fraser, T. (2018) A Janus Faced Resource: Social Capital and Resilience Trade Offs. *International Risk Governance Council Resource Guide 2*: 1-7
- Aldrich, D.P., Meyer, M. and **Page-Tan, C.** (2018) Social capital and natural hazards governance. *Oxford Research Encyclopedia of Natural Hazard Science*
- Aldrich, D.P., Paul, C. and **Page-Tan, C.** (2016) Social capital and participation in climate change adaptation. (2016) *Climate Science: Oxford Research Encyclopedias*
- Page-Tan, C.** (2009) International actors leading in relief efforts: 2004 Indian Ocean Tsunami aid assessment. *Asian Politics and Policy*, 1(3) 435–462. <https://doi.org/10.1111/j.1943-0787.2009.01134.x>

ARTICLES UNDER REVIEW

- Page-Tan, C.** An analysis of community resilience across Facebook, Twitter, and Nextdoor users.
- Page-Tan, C.** Data tools for assessing disaster risk reduction: An analysis of open-access spatial disaster risk reduction datasets
- Page-Tan, C.** and Fraser, T. COVID-19 To Go? The Role of Disasters and Evacuation in the COVID-19 Pandemic
- Fraser, T., **Page-Tan, C.**, and Aldrich, D.P. Won't You Be My Neighbor? Uncovering ties between Social Capital and COVID-19 Outcomes at Local Levels
- Fraser, T., Aldrich, D.P., and **Page-Tan, C.** Bowling Alone or Masking Together? The Role of Social Capital in Excess Death Rates from COVID19
- Page-Tan, C.** and Corbin, T. Governmental Response and Inequality During COVID-19: Resilience at the Margins

INVITED TALKS

- How hyperlocal social media fueled rebuilding after hurricane harvey (November 2019) *Wesleyan University GIS Day*. Middletown, CT.
- The driving force behind Houston Resilience following Hurricane Harvey: Social media's role in post-disaster recovery. (October 2019) *New England Analysts' Roundtable*. Hartford, CT
- How online social media platforms promote climate change literacy (March 2019). ISeeChange Staff Brown Bag
- How social networks transform during a disaster. (May 2018) FEMA Integrated Public Alert & Warning System Working Group 2 - Public Needs.
- Social capital and community resilience. (May 2017) Cambridge Mayor's Special Advisory Committee on Neighborhood-Based Resilience. Cambridge, MA

WRITINGS FOR GENERAL AUDIENCE

- Aldrich, D.P. and **Page-Tan, C.** (2017) Why social media apps should be in your disaster kit. *The Conversation*.
- Huang, Y.H. and **Page, C.** (2014) Financing the health-related millennium development goals. *Global Health Governance*
- Page, C.** (2013) Impact investing and global health: The future of global health financing?" *Global Health Governance*.

TECHNICAL REPORTS AND BOOK CHAPTERS

- Page-Tan, C.**, Fraser, T. and Aldrich, D.P. (*forthcoming*) Mapping resilience: GIS techniques for disaster studies in Jason D. Rivera, ed., *Research Methods of Disaster and Emergency Management: Approaches in Application*. Routledge.

- Fraser, T., **Page-Tan, C.**, and Aldrich, D.P. (*forthcoming*) Techniques for social network analysis for disaster evacuation, recovery, and response in Jason D. Rivera, ed., *Research Methods of Disaster and Emergency Management: Approaches in Application*. Routledge.
- Aldrich, D.P., **Page-Tan, C.**, Fraser, T., Lee, J., and Yoshida, T. (2020) Social Ties, Quarantine Policy, and the Spread of COVID19. Quick Response Report. Natural Hazards Center: University of Colorado-Boulder
- Page-Tan, C.** (2018) Cambridge Community Assessment. Commissioned Report for Cambridge Mayor's Special Advisory Committee on Neighborhood-Based Resiliency
- Page-Tan, C.** (2018) The Power of Social Media: How Online Connections Expedited Public Services Following Hurricane Harvey. Quick Response Report. Natural Hazards Center: University of Colorado-Boulder

CONFERENCE PAPERS

- Page-Tan, C.** and Corbin, T.B. (2021) "Governmental Response and Inequality During COVID-19: Resilience at the Margins" Paper presented at the Midwest Political Science Association Annual Conference, Virtual
- Page-Tan, C.** and Fraser, T. (2021) "COVID-19 To Go? The Role of Disasters and Evacuation in the COVID-19 Pandemic" Paper presented at the American Association of Geographers Annual Meeting, Virtual
- Corbin, T.B., LeNoble, C, and **Page-Tan, C.** (2021) "Interdisciplinary Disaster Research is not a Disaster: A comparative analysis of interdisciplinary teams in virtual environments" Paper presented at the Southern Political Science Association Annual Conference Conference Within A Conference, Virtual (with Tanya Corbin and Chelsea LeNoble)
- Page-Tan, C.** (2020) Community Resilience Across Facebook, Twitter, and Nextdoor Users. Paper presented at the ERAU-WW COAS Research Symposium, Virtual.
- Page-Tan, C.** (2020) Disaster recovery and social media use: An analysis of Facebook, Twitter, and Nextdoor use in Houston following Hurricane Harvey. Paper presented at the American Political Science Association Conference, Virtual
- Page-Tan, C.** (2019) If you built it within a half mile, they will come: Building hyperlocal bridging social capital. Paper presented at the International Studies Association Conference, Toronto
- Page-Tan, C.** (2018) Social capital: Unpacking how it supports resilience, and how it can be strengthened. Paper presented at the Resilience Measurement, Evidence and Learning Conference, New Orleans
- Page-Tan, C.** (2018) A new era of disaster response: How social media is changing top-down approaches." Paper presented at the American Political Science Association Conference, Boston
- Page-Tan, C.** and Sanaie-Movahed, B. (2017) An examination of countries with voluntary political party and institutionalized legislative gender quotas." Poster presented at the International Cartographic Conference, Washington, D.C.
- Page-Tan, C.** and Aldrich, D.P. (2017) Estimating social media effects on neighborhood resiliency. Paper presented at the 2017 Midwest Political Science Association Annual Conference, Chicago
- Page-Tan, C.** and Aldrich, D.P. (2017) Social and transportation networks in the 2015 Boston Snowmagedon." Paper presented at the 2017 Boston Area Research Initiative Conference, Boston (with Daniel Aldrich).
- Page, C.** (2015) Social capital and shared identities as determinants of international disaster aid: 2000-2013. Paper presented at the Midwest Political Science Association Annual Conference, Chicago
- Page, C.** (2013) Norm internalization: The case for disaster risk reduction. Paper presented at the Midwest Political Science Association Annual Conference, Chicago

Page, C. (2013) Why states prepare for natural disasters: Implementation of the Hyogo Framework for Action 2005-2015. Paper presented at the International Studies Association Annual Conference, San Francisco

Page, C. (2008) International actors leading in relief efforts: 2004 Indian Ocean Tsunami aid assessment. Paper presented at the Midwest Political Science Association Annual Conference, Chicago

CONSULTING

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| ISeeChange | 2019 - Present |
| UNDP - Mexico | 2020 |
| UNDP - Paraguay | 2020 |
| City of Cambridge, Massachusetts | July 2020 |

TEACHING

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| Topics in Human Security and Resilience | Embry-Riddle Aeronautical University |
| Research Methods | Embry-Riddle Aeronautical University |
| Ethics in the Public Sector of Emergency Services | Embry-Riddle Aeronautical University |
| Introduction to Human Security | Embry-Riddle Aeronautical University |
| Foundations of Resilience | Embry-Riddle Aeronautical University |
| Applied Data Analysis | Wesleyan University |
| Social Capital and Resilience | Northeastern University |
| Resilient Cities | Northeastern University |
| American Government | Purdue University |
| Introduction to International Relations | Purdue University |
| US Politics and the Media | Purdue University |
| Western Political Thought | Seton Hall University |

SELECTED HONORS, GRANTS, AND FELLOWSHIPS

Page-Tan, C. (Principal Investigator) [\$1,000.00 Honorarium]. (2020). Aldrich, D. P., and Marion, S (Co-Investigators). The Role of Civic Networks and Information Sources During the COVID-19 Pandemic. Russell Sage Foundation

Page-Tan, C. (Principal Investigator) [\$4,500.00 Grant]. (2020). Aldrich, D. P., Marion, S., LeNoble, C. and Kwesell, A. (Co-Investigators). The role of civic networks and information sources during the COVID-19 pandemic in changing political and economic landscapes. Natural Hazards Center Quick Response Program.

Aldrich, D. (Principal Investigator) [\$5,000.00 Grant]. **Page-Tan, C.**, Fraser, T., Lee, J., and Marion, S. (Co-Investigators). CONVERGE COVID-19 Working Group for Social Ties, Mobility, and COVID-19 Spread Rates. Natural Hazards Center Quick Response Program.

Corbin, T. and Montano, S. (Principal Investigators) **Page-Tan, C** et al. (Co-Investigators) CONVERGE COVID-19 Working Group for Emergency Management and Policy Analysis in a Pandemic. Natural Hazards Center Quick Response Program.

Page-Tan, C. (Principal Investigator) [\$2,000.00 Grant]. (2017). The Power of Social Media: How Online Connections Expedited Public Services Following Hurricane Harvey. Natural Hazards Center Quick Response Program.

Page, C. Open Science for Synthesis Gulf Research Program Training, National Center for Ecological Analysis and Synthesis, University of California Santa Barbara

Page, C. (Principal Investigator) [\$2,000.00 Grant]. (2016). Graduate Student Research and Experiential Learning Grant, Northeastern University

Page, C. (2012) Summer's Family Military and First Responders Scholarship

Page, C. (2012) Salgo Noren Foundation Summer Internship Grant

PROFESSIONAL AND UNIVERSITY SERVICE ACTIVITIES

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| Chair , Recruitment, Retention, and Matriculation Committee, Department of Security and Emergency Services | 2021 - Present |
| Program Chair , Master's Degree in Human Security and Resilience, Department of Security and Emergency Services | 2021 - Present |
| Lab Manager , Aldrich Resilience Lab, Northeastern University | 2019 - Present |
| Newsletter Layout Manager , APSA Science, Technology & Environmental Politics Section | 2019 - Present |

TRAINING AND CERTIFICATIONS

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| University of California Santa Barbara , <i>National Center for Ecological Analysis and Synthesis</i> , Open Science for Synthesis Gulf Research Program Training | 2017 |
| Harvard University , <i>Center for Geographic Analysis</i> , GIS for the Humanities and Social Sciences Workshop | 2015 |
| ESRI | 2015 - Present |
| <ul style="list-style-type: none"> ▪ <i>ArcGIS II: Essential Workflows</i> ▪ <i>ArcGIS III: Performing Analysis</i> ▪ <i>Network Analysis Using ArcGIS</i> ▪ <i>Python Scripting for Map Automation</i> ▪ <i>Python Scripting for Geoprocessing Workflows</i> ▪ <i>Basics of Python (for ArcGIS 10)</i> | <ul style="list-style-type: none"> ▪ <i>Regression Analysis Using ArcGIS</i> ▪ <i>Solving Spatial Problems Using ArcGIS</i> ▪ <i>Performing Spatial Interpolation with ArcGIS</i> ▪ <i>Distance Analysis Using ArcGIS</i> ▪ <i>Creating Prediction Surfaces in ArcGIS</i> ▪ <i>Exploring Spatial Patterns in ArcGIS</i> |
| DataCamp | 2019 - Present |
| <ul style="list-style-type: none"> ▪ <i>Intro to SQL for Data Science</i> ▪ <i>Spatial Analysis in R with sf and raster</i> | <ul style="list-style-type: none"> ▪ <i>Introduction to the Tidyverse</i> ▪ <i>Data Visualization with ggplot2 (Part 1)</i> |

SOFTWARE & PROGRAMMING LANGUAGES

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|------------|------------------|---------------------|----------|
| ▪ STATA | ▪ ArcGIS Desktop | ▪ Adobe Illustrator | ▪ R |
| ▪ SPSS | ▪ ArcGISPro | ▪ Adobe Photoshop | ▪ SQL |
| ▪ R Studio | ▪ qGIS | ▪ Adobe Animate | ▪ Python |
| ▪ Gephi | ▪ Geoda | ▪ Adobe InDesign | |

PROFESSIONAL MEMBERSHIPS

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| ▪ American Political Science Association | ▪ Midwest Political Science Association |
| ▪ International Studies Association | ▪ Pi Alpha Alpha Honor Society |
| ▪ Midwest Political Science Association | ▪ American Association of Geographers |