

CASEY M. KALMAN

EDUCATION

George Washington University – MPH Global Environmental Health
Expected Completion: May 2020

University of Wisconsin-Madison – GIS and Cartography Certificate, 2018

Capstone Project: City of Madison Heat Vulnerability Index–Adapting and improving methodology from state-wide heat vulnerability index previously created by the Wisconsin Department of Health Services.

University of Wisconsin-Madison – BA, International Studies and Spanish, 2015

Certificates: Global Health, Environmental Studies
Graduate with Distinction, Phi Beta Kappa

SKILLS

Proficient: ArcGIS, QGIS, R/RStudio, pgAdmin, SQL, Qualtrics, Microsoft Office (Outlook, Excel, Word, PowerPoint), Adobe Creative Cloud (Illustrator, InDesign, Photoshop, Lightroom), HTML/CSS, Wordpress, Github, Mapbox, Leaflet.js

Learning: SAS, Python, D3.js, JQuery.js

EXPERIENCE

GIS Analyst, US Department of Health and Human Services (Contractor) – Oct 2018 - Present

- Create maps and data visualizations to assist with recovery and relief after hurricanes and other natural disasters
- Research and develop preliminary GIS methods to assess vulnerability to natural hazard-triggered technological events
- Use ArcGIS to identify priority areas for recovery and relief following Hurricane Michael
- Collaborate on 15 maps to communicate income and age variation within Puerto Rico's health regions

Research Assistant, Anenberg Lab Group – June 2018-Present

- Develop techniques for answering spatial research questions utilizing ArcGIS, QGIS, RStudio, and Excel
- Investigate health risks associated with natural-hazard-triggered technological events for a commentary in GeoHealth
- Design and create informational graphs, maps, and other graphics for journal articles
- Develop website for NASA HAQAST Tiger Team with Wordpress, css, html, and Leaflet.js

Cartographer, UW Cartography Lab – Oct 2017-Sept 2018

- Worked with international economist to create data visualizations for upcoming publication
- Created informative maps and graphics using ArcGIS and Adobe Illustrator to effectively communicate economic trends
- Represented abstract concepts of international communication for publication "For Love and Money"

Epidemiology and GIS Intern, Wisconsin Office of Rural Health – Jan 2017-June 2018

- Collaborated with state epidemiologist to clean, analyze and visualize health data
- Geocoded EMS service locations for multi-state drive-time analysis
- Trouble-shot issues with ArcGIS and Adobe Illustrator
- Researched new GIS and cartographic tools to increase quality and efficiency

Health Geography Intern, Applied Population Lab – May 2017-Aug 2018

- Created informative, visually-appealing maps, graphs, and charts for monthly articles on WisContext.com
- Developed interactive online maps and graphics using JavaScript and D3
- Analyzed data for paper on vaccine exemptions and measles outbreaks in California counties

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Administrative Assistant, Bloomenfeld and Associates – Aug 2015-Jan 2017

- Researched legislators, legislative issues, and state healthcare systems to better inform clients
- Tracked the progression of 800+ bills per session as they go through the legislative process
- Attended legislative hearings and wrote updates for clients on current legislation
- Monitored local and national news sources and social media for legislative updates

VOLUNTEER EXPERIENCE

Secretary, GW Global Health Network – Aug 2018 - Present

- Collaborate with fellow public health students to plan professional development events
- Coordinate with various student groups to plan campus-wide events
- Attend professional development, management, and team-building workshops

Social Media Coordinator, Young Professionals Chronic Disease Network – Aug 2015 - Present

- Advocate for non-communicable disease treatment in low- and middle-income countries
- Curate engaging content for Facebook, Twitter, Instagram, and LinkedIn
- Coordinate #MultiplyChange crowdfunding campaign to fund programs
- Assist with management of website utilizing the Ning and NationBuilder platforms
- Maintain global network of young professionals and advocates via social media

Associate Director, Project 1808 – Aug 2013 - Aug 2018

- Planned events and designed sustainable programs with executive team
- Recruited and maintained network of interns, volunteers and partners
- Researched and tracked potential grant funding opportunities
- Collaborated on website renovation with volunteer web and graphic designers
- Planned annual Science and Leadership Festival in Koinadugu District, Sierra Leone

Previously: Public Relations Chair, Project 1808 UW Student Organization

Community Volunteer, Tobacco Free Columbia and Dane County– Aug 2015 - Aug 2017

- Advocated for public action and policy on tobacco control
- Wrote op-ed columns to educate public on tobacco related health issues
- Met with state legislators to discuss impact of tobacco and e-cigarette products

Communications Volunteer and Attendee, World Cancer Congress– Nov 2016

- Participated in Master Course on global advocacy coordination and planning
- Reported on sessions via social media and online blog throughout the week

PUBLICATIONS

Mapping our Impact: University of Wisconsin Department of Family Medicine and Community Health Alumni Practice Location Mapping (Forthcoming)

Accepted to 51st Society of Teachers of Family Medicine Annual Spring Conference (May 2019)

MEMBERSHIPS AND CONFERENCES ATTENDED

American Association of Geographers Annual Meeting (2019) - Member and Attendee

American Geophysical Union Annual Meeting (2019) - Member and Attendee

North American Cartographic Information Society Annual Meeting (2018) - Member and Attendee

American Public Health Association (2019) - Member