

Julia Cardwell

tarheels.live/juliacardwell/

Curriculum Vitae November 2022

University of North Carolina, Chapel Hill Department of Geography

Southeast Regional Climate Center
Albert and Gladys Coates Building CB 3220
Chapel Hill, NC 27599-3220

301-943-7066
jmcard@email.unc.edu

EDUCATION

Ph.D. Student, Department of Geography

UNC Chapel Hill

Advisor: Dr. Charles Konrad

Expected May 2025

Chapel Hill, NC

M.A. Geography

UNC Chapel Hill

Advisor: Dr. Charles Konrad

Thesis Title: Trends in Recovery Aid Concentration after Hurricane Florence in North Carolina

Dec 2021

Chapel Hill, NC

B.A. Environmental Studies

Davidson College

Advisor: Dr. Fuji Lozada

Thesis Title: Flooding and Floodplain Management as Part of the Waterscape: Flows of Water and Power in Charlotte, North Carolina

Minor: Data Science

June 2019

Davidson, NC

CURRENT POSITIONS

Graduate Research Assistant

Southeast Regional Climate Center

Summer 2022 - present

UNC Chapel Hill

Data Verification Specialist

Odum Institute

Summer 2022 - present

UNC Chapel Hill

TEACHING EXPERIENCE

Environmental Conservation and Global Change

Teaching Assistant - Dr. Aaron Moody

Spring 2022

Introduction to Spatial Data Science

Teaching Assistant - Dr. Paul Delamater

Fall 2021

AWARDS AND HONORS

Honorable Mention, Graduate Research Fellowship Program, National Science Foundation

2022

Phi Beta Kappa, Davidson College

2019

Environmental Studies Outstanding Senior Award, Davidson College

2019

GRANTS AND FELLOWSHIPS

Summer Research Grant, UNC Chapel Hill , \$1500

2021

Graduate Merit Fellow, UNC Chapel Hill, \$20,000

2020-2021

Weiss Urban Livability Fellow, UNC Chapel Hill , \$4,000

2020-2021

Conference Travel Grant, Davidson College, \$2,000

2019

Duke Endowment Resiliency Grant, Davidson College, \$500

2019

Summer Internship Grant, Davidson College, \$800

2019

RESEARCH INTERESTS

Disasters

Extreme events; Social vulnerability; FEMA; Federal recovery aid

Geographic Information Science (GIS)

RESEARCH

Peer Reviewed

- Cardwell, J.** (2022). Community perceptions of a floodplain buyout program in Charlotte, North Carolina. *Natural Hazards*, 1-20.
- Cardwell, J.** Konrad, C. E. (2022). Trends in recovery aid concentration following Hurricane Florence in North Carolina: exploring the role of physical damage, community vulnerability, and Hurricane Matthew. *Environmental Hazards*, 1-23.
- Cardwell, J.** (2022). Examining the shifting role of the human in disaster studies. *Journal of the Bulgarian Geographical Society*, 46, 51-55.
- Cardwell, J.**(2021). Trends in Flood Insurance Behavior Following Hurricanes in North Carolina. *North Carolina Geographer*, 20, 2-12.

Publications Under Review

- Cardwell, J.**, Cowan, K. Local News Sentiment Towards FEMA Recovery Efforts after Hurricane Florence in North Carolina. Submitted for Publication.
- Cardwell, J.** EMS Response Time Under Flood Scenarios in Western North Carolina. Submitted for Publication.

Other Publications

- Martin, A., **Cardwell, J.**, Mundt, J., Kramer, R., Beckham, T. 2019. North Carolina Climate Risk Assessment and Resilience Plan, Chapter 4: Climate Justice, State of North Carolina

CONFERENCES AND TALKS

- Trends in Recovery Aid Concentration in North Carolina Following Hurricane Florence.* Presented at the 2022 Annual Meeting of the American Association of Geographers. Feb 2022. Virtual
- Trends in NFIP (National Flood Insurance Program) Participation after Major Hurricanes in North Carolina.* Presented at the 2021 Annual Meeting of the North Carolina Geographical Society. 12 March 2021. Virtual
- Flooding and Floodplain Management as Part of the Waterscape: Flows of Water and Power in Charlotte, North Carolina.* Presented at Verna Miller Case Research and Creative Works Symposium. 7 May 2019. Davidson, North Carolina.
- The Farmers' Market and the Local Economy: Testing this Relationship in the Town of Davidson, NC.* Presented at Verna Miller Case Research and Creative Works Symposium. 7 May 2019. Davidson, North Carolina
- Measuring Flood Risk: Normalizing Inequality in Charlotte, NC.* Presented at 79th Annual Meeting of the Society for Applied Anthropology, 19-23 March 2019. Portland, Oregon.

ADDITIONAL WORK EXPERIENCE

- Data-Driven EnviroLab, Department of Public Policy, UNC Chapel Hill** 2021
Graduate Research Assistant
- North Carolina Department of Environmental Quality, Raleigh NC** 2019-2020
Program Coordinator
- Davidson Lands Conservatory, Davidson NC** 2019
GIS Analyst
- Jay Hurt Hub for Entrepreneurship, Davidson College, Davidson NC** 2019

Data Analytics Consultant

UNIVERSITY SERVICE

Co-President, *2022-2023*
Graduate Association of Geography Students, UNC-CH **Graduate Student Representative,** *2020-2022*
Geography Department Graduate Committee, UNC-CH

AFFILIATIONS

American Association of Geographers
North Carolina Geographical Society

PROGRAMMING SKILLS

Languages: Python, R, VB.NET, JavaScript

Technologies: ArcMap, ArcGIS Pro, ArcGIS Online, QGIS, Google Earth Engine, ENVI, SPSS