

Daniel Nathan Zuckerman

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EDUCATION

University of Minnesota-Twin Cities

Minneapolis, MN

Hubert H. Humphrey School of Public Affairs

May 2025

Master of Science in Science, Technology, and Environmental Policy

- Relevant Coursework: Advanced Policy Analysis, Energy Systems and Policy, Econometrics, Environmental Economics, Program Evaluation
- Capstone: Envisioning a High Load Growth Future: Data Centers

University of Wisconsin-Madison

Madison, WI

Bachelor of Science in Environmental Sciences and Political Science

May 2023

Minor in Sustainability

- Relevant Coursework: Climate Change Governance, Environmental Health, Energy Resources, Environmental Conservation
 - Capstone: Environmental and Economic Impacts of Corn-Based Ethanol
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PROFESSIONAL EXPERIENCE

Institute for Urban and Regional Finance

Minneapolis, MN

Graduate Research Assistant

February 2025 – May 2025

- Coauthored a research paper comparing autonomous vehicle operations in Minnesota
- Synthesizing policy recommendations to inform decisions on transportation policy, infrastructure finance, and investments

Great Lakes Thriving Communities Technical Assistance Center (TCTAC)

Minneapolis, MN

Graduate Research Assistant

May 2024 - August 2024

- Operating under a \$10 million EPA grant, the TCTAC provided technical support and assistance to historically disinvested communities to help these communities access funding for climate and environmental grants
- Created internal summaries to identify and prioritize federal funding opportunities, including Direct Pay, energy tax credits, and the Home Energy Rebates program
- Identified and researched state and federal climate and environmental grants to respond to the unique requests of each entity (including private businesses, nonprofit organizations, and local governments)
- Drafted newsletters and funding digests highlighting opportunities for engagement for distribution to our network of partners and clients

Humphrey School of Public Affairs

Minneapolis, MN

Graduate Research Assistant

January 2024 - June 2024

- Collaborated with Dr. Daniel Scholten, Visiting Professor, focused on the geopolitics of the energy transition
- Coauthored an article on the global energy transition, focusing on the shifting energy demand to developing nations and its implications for energy systems, markets, and trade dependencies

- Interviewed energy experts and professionals to evaluate energy security policies and industrial strategies of the Global South, Global North, and fossil fuel exporters
- Used quantitative and qualitative research to make policy recommendations that would proliferate renewable energy globally, and help prepare for a change in global energy prices, market structure, power, flow, and regional and bilateral partnerships

University of Minnesota

Saint Paul, MN

Graduate Research Assistant

January 2024 - May 2024

- Researched under Dr. Ingrid Schneider, Professor, focused on the human dimensions of natural resource management
- Led data analysis and statistical evaluation using Microsoft Excel and Stata to study inequitable access to nature- and water-based recreation along Lake Superior's North Shore
- Identified, cleaned, and analyzed several datasets with hundreds of observations
- Contributed to foundational research highlighting opportunities for improving equitable access in North Shore recreation and tourism organizations
- Found that recreation-based organizations in the North Shore of Minnesota are not equitably serving their community

Wisconsin State Assembly

Madison, WI

Legislative Intern

August 2022 - April 2023

- Researched state and federal environmental, energy, and climate policy to respond to constituent inquiries
- Drafted press releases, speeches, and social media posts

ACADEMIC PROJECTS

Humphrey School of Public Affairs

Minneapolis, MN

Graduate Capstone

October 2024 – May 2025

- Partnered with Connexus Energy, a local cooperative utility, to develop strategies to manage high load growth from data centers
- Conducted interviews with several energy industry experts to better understand the policy and technical landscape of data center development in Minnesota
- Reviewed commission dockets, reports, and contracts to synthesize options
- Recommended the following four options to Connexus Energy to prioritize clean, affordable, and reliable electricity for residential customers:
 - Develop large load contracts that include multiple risk mitigation provisions
 - Utilize green tariffs for renewable energy
 - Create demand response programs for new large load customers
 - Engage with state and regional organizations to develop solutions to potential market impacts and stranded transmission assets

PUBLICATIONS

Douma, F. and Zuckerman, D. “Comparing Connected and Autonomous Vehicle (CAV) Operations in Minnesota: Bear Tracks and goMARTI.” In preparation. Journal TBD.

Peterson, A., Perez, B., and Zuckerman, D. “Envisioning a High Load Growth Future: Data Centers.” *University of Minnesota Digital Conservancy*, May 2025.

Scholten, D. and Zuckerman, D. “The geopolitics of the global energy demand shift.” *Elcano Royal Institute*, July 29, 2024.

SKILLS

Technical: Microsoft Office (Excel, Word, PowerPoint), Google Suite (Docs, Forms, Slides)

Research: Stata, ArcGIS