



# ERIN MIDDLETON

Research Scientist | **CARBON SOLUTIONS LLC**

## PROFILE

Erin is passionate about using data and visualization tools to guide stakeholders to make informed decisions aligned to their strategic goals. While the bulk of her recent experience has been in developing metrics, models, and dashboards related to student well-being and achievement in public schools, she also has experience with projects related to community health, program evaluation, educational equity, evacuation planning, population forecasts, and predicting voting behavior. At Carbon Solutions LLC, she is excited to explore how social, health, and physical data can be integrated to address low-carbon energy challenges.

## CONTACT INFORMATION

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CARBON SOLUTIONS LLC Website:  
[www.carbonsolutionsllc.com/](http://www.carbonsolutionsllc.com/)

## EDUCATION & TRAINING

**Ph.D.** | Geography

[University of California at Santa Barbara](#) | 2004–2007

**MA** | Geography

[University of California at Santa Barbara](#) | 2001–2004

**BS** | Major: Environmental Geoscience Minor: Political Science

[Purdue University](#) | 1996–2000

## PROFESSIONAL EXPERIENCE

**Research Scientist** | [CARBON SOLUTIONS LLC](#) | 2021–Present

Integrate social, physical, and environmental health characteristics in routing and siting energy-related infrastructure.

**Spatial Analyst & Demographer** | [Community Data Platforms](#) | 2021–Present

Develop procedures for flexible data analysis and survey weighting on a range of topics for use by community leaders across the United States.

**Data Analyst** | [Los Alamos Public Schools, Los Alamos, NM](#) | 2019–2020

Performed data analysis of demographic and student assessment data, developed dashboards for teachers and administrators, created databases of formal and informal student assessments, created school board reports, and developed, administered, and analyzed a variety of district surveys.

**Consultant** | [New Mexico](#) | 2016–2020

Worked with school and community organizations to create reports for their respective boards, including Los Alamos Public Schools (data analysis, continuous improvement, and equity), Magdalena Public Schools (school climate surveys), and United Way of Northern New Mexico (community health access).

**Visiting Researcher** | [University of Tennessee - Knoxville](#) | 2008–2009

Developed state-wide population projections at the Center for Business and Economic Research. Taught undergraduate course in Environmental Geography and a graduate course in Population Geography.

**Postdoctoral Researcher** | [Oak Ridge National Laboratory](#) | 2007–2008

Worked on projects related to evaluation planning, electrical grid failure, and agent-based modeling of voting behavior.

## VOLUNTEER WORK AND OTHER PROJECTS

- [Los Alamos Public Schools Equity Council](#) | 2019–2020
- [New Mexico Public Education Department, Assessment and Accountability Working Group](#) | 2018–2020
- [Assessment and Accountability Community of Practice](#) | 2018–2020
- [Parent Teacher Association at Mountain Elementary, Los Alamos, NM](#) | 2018–2020
- [Jemez Valley Public Schools, School Board Member](#) | 2012–2015