

Erik R. Darden

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Objective

To eliminate health disparities by applying spatial modeling research in an urban design field.

Education

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

MASTER IN URBAN DESIGN (MUD) | August, 2026

- Research focus: Active transportation, race relations, health equity in urban planning, and placemaking

MASTER IN PUBLIC HEALTH (MPH) | December, 2026

- Concentration in Epidemiology
 - Dual Degree Student
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Key Skills

- **Design Tools:** ArcGIS Pro, Adobe Illustrator, Adobe InDesign, Photoshop, Arcgis Online, Microsoft Office, Google Suite, Davinci Resolve Studio.
 - **Urban Design & Planning:** Transportation equity, spatial accessibility modeling, pedestrian & cycling infrastructure analysis.
 - **Data & Research:** Spatial analysis (gravity models, demographic mapping), data integration, policy research, public health metrics, spatial justice.
 - **Engagement & Communication:** Public presentation, graphic storytelling, community event facilitation, data visualization.
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Recent Projects

Proposed Redesign of Charlotte 2nd Ward - Brooklyn Village

- Used ArcGIS Pro and Adobe Illustrator to map the present condition of the site.
- Created diagrammatic analysis of strengths and weaknesses of the site.
- Developed a narrative of the site's history and feature using diagrams, maps, and writing.
- Provided an oral presentation on recommendations to stakeholders.
- Received the 2025 Student Design Award - School of Architecture.

Mecklenburg County Greenway Accessibility Analysis

- Modeled population-weighted accessibility to greenway entrances using gravity models.
 - Combined census tract data with geographic access points to identify underserved communities.
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