

# MICHAEL DUNST

linkedin.com/in/michael-dunst

(414) 559-9618 • dunstmt@gmail.com • portfolio: mtdunst.github.io

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## EDUCATION

### University of Pennsylvania, Philadelphia, PA

May 2024

*Master of City Planning; Sustainable Transportation Infrastructure Planning concentration*

- GPA: 3.80 out of 4.00
- Relevant Coursework: Multimodal Transportation, Public Policy Analysis, Planning and Development Studio

### University of Minnesota, Minneapolis, MN

May 2021

*Bachelor of Science in Urban Studies and Bachelor of Environmental Design*

- Relevant Coursework: Fundamentals of Transit, Planning Complete Streets, Urban Real Estate Development

## SELECTED WORK EXPERIENCE

### SEPTA, Philadelphia, PA

Sep 2023 – present

*Strategic Planning and Analysis Intern*

- Supported the agency's large-scale planning projects by creating visually compelling community meeting boards using the Adobe Suite and ArcGIS Pro, effectively communicating complex topics to diverse audiences
- Utilized R to conduct in-depth ridership analysis, producing uniform visuals that significantly contributed to informing strategic decisions for the Trolley Modernization megaproject

### Volpe National Transportation Systems Center, Boston, MA

Jun 2023 – Aug 2023

*Operations Research Intern*

- Applied a systems dynamics philosophy and industry experience to analyze tradeoffs in multimodal streets projects, identifying data collection gaps
- Crafted a study area using Python, ArcGIS Pro, and R to explore the application of the General Modeling Network Specification to travel demand/accessibility modeling.

### University of Pennsylvania, Philadelphia, PA

Sep 2022 – May 2023

*Research Assistant for Dr. Erick Guerra*

- Developed a geospatial data analysis process in ArcGIS, later transitioning to R for improved speed, efficiency, and accuracy, supporting research on land use in American metro areas
- Collaborated with fellow research assistants in project management, demonstrating effective teamwork and coordination

### Continental Properties, Milwaukee, WI

May 2021 – Sep 2022

*Land Planner*

- Managed diverse stakeholder input to balance zoning constraints, resident experience, and various aspects of land planning
- Self-managed competing deadlines with internal and external pressures
- Coordinated the development process using AutoCAD for site plans, researching entitlements processes, and communicating with engineering consultants and planners/officials

### UMN Parking and Transportation Services, Minneapolis, MN

Sep 2019 – May 2021

*Transportation Planning Intern*

- Conducted transportation research, proposing data collection and analysis methods, and recommending solutions to multimodal transportation issues on campus
- Cataloged all impervious surfaces on campus and optimized data collection efficiency and accuracy using GIS software

## SKILLS

- **Technical:** geospatial analysis in R, ArcGIS Pro, and Python; AutoCAD with skills particularly in site planning; presentation and graphic design in the Adobe Creative Suite; VISSIM/VISUM
- **Industry:** detailed understanding of transportation principles; qualitative and quantitative analysis