**MICHAEL DUNST**

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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