Malik Salman

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EDUCATION

New York University   New York, NY
M.Sc. Applied Urban Science, GPA: 3.9/4.0   May 2025
Capstone: Authored and designed a comprehensive report on the proposed reactivation of the Rockaway Beach Branch railway in Queens, New York, in collaboration with the transit-oriented nonprofit QueensLink.
Courses: Urban System Resilience, Causal Inference, Applied Data Science, Machine Learning for Cities, GIS

University of Michigan   Ann Arbor, MI
B.Sc. Interdisciplinary Physics, GPA: 3.5/4.0   May 2023
Courses: Advanced Urban Planning, Quantum Mechanics, Modern Physics, Linear Algebra, Differential Equations
Exchange Program: National University of Singapore

PROFESSIONAL EXPERIENCE

Center for Urban Science and Progress, New York University   New York, NY
Assistant Researcher — Resilient Urban Networks Lab   May 2024 – Jul 2025

- Designed and implemented causal inference methodologies to evaluate the impact of protected bike lanes on bike ridership in NYC, coordinating across data sources and software (OSMnx, GeoPandas, ArcGIS Pro).
- Led the end-to-end execution of a research project assessing the impact of the U.S. Open on local business visitation in Queens using mobile phone location data.
- Published 'Causal Impacts of Protected Bike Lanes on Cycling Behavior with Demographic Disparities' alongside Takahiro Yabe (PhD) and Marcel Moran (PhD).

University of Michigan Museum of Natural History   Ann Arbor, MI
Program Instructor   Jun 2023 – Aug 2023

- Coordinated with scientists, researchers, and museum staff to develop and deliver interactive STEM activities.
- Oversaw program logistics and student engagement to ensure the successful execution of educational sessions.

Global Scholars Program, University of Michigan   Ann Arbor, MI
Assistant Instructor   Sep 2021 – Apr 2023

- Provided mentorship and guidance to a student team working on an NGO internship project, ensuring alignment with deliverables.
- Facilitated training sessions on DEI, intercultural communication, and conflict resolution.

Taubman College of Architecture and Urban Planning, University of Michigan   Ann Arbor, MI
Research Assistant   Jan 2021 – Jun 2023

- Led the development of a natural language processing framework to analyze the relationship between linguistic shifts and urban demographic changes.
- Managed project scope, methodology selection, and data processing pipelines.

SKILLS

Computational & Quantitative: Python, Causal Inference, Data Science + Analysis, Machine Learning, ArcGIS Pro, C++, Mathematics
Urban Strategy: Urban Planning, Project Management, Infrastructure & Mobility Planning, Data Storytelling, Policy Analysis
Languages: English (native)**,** German (native)