

Resume

Mahyar Madarshahian

City Campus (Lincoln), WHIT 262M

Prem S. Paul Research Center at Whittier School

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Academic Background

The University of Nebraska-Lincoln

Ph.D., Civil and Environmental Engineering

Advisor: Dr. Nathan Huynh

The University of South Carolina

Ph.D., Civil and Environmental Engineering, December 2022

Advisor: Dr. Nathan Huynh

Iran University of Science and Technology

M.S., Transportation Engineering, December 2018

Advisor: Afshin Shariat Mohaymani

Publication

Mahyar Madarshahian, Aditya Balaram, Fahim Ahmed, Nathan Huynh, Chowdhury KA Siddiqui, Mark Ferguson. “Analysis of Injury Severity of Work Zone Truck-Involved Crashes in South Carolina for Interstates and Non-Interstates”, Sustainability, 2023

Mahdi Jahangard, **Mahyar Madarshahian**, Hadi Sabur, Reza Rezvani, Abolfazl Mohammadzadeh Moghaddam, and Nathan Huynh. “Illegal Maneuver Effect on Traffic Operations at Signalized Intersections: An Observational Simulation-Based Before-After Study Using Response Surface Methodology”, Journal of Advanced Transportation, 2023

Research Experience

- Civil Engineer of Constructing Kamal Hotel 2009
- Employee of Khorasan Razavi Provincial Department of Road Maintenance & Transportation 2011
- Scholar of Road Safety Research Center of Iran University of Science & Technology 2011-2014
- Expert and member of Road Safety Techno-Economic Center of Ferdowsi University of Mashhad 2014-2020
- Collaboration with Mashhad University of Medical & Science 2015
- Expert director of Research, Study and Education in Taxi Management Organization of Mashhad 2013-2020
- Graduate Research Assistant, University of South Carolina & University of Nebraska-Lincoln 2021 - Current

Skills

Advanced: Python, Nlogit

Intermediate: SAS, R, Arc GIS, GitHUB

Familiar: AutoCAD, Aimsun, Vissim, Vistro

Technical Skills : Data Analytics, Discrete Choice Modeling

Honor and awards

Winning the Dean Fellowship award for Phd degree in the university of wisconsin 2019	2019
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