

Postdoctoral Research Associate
Morgan State University

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Posted Jun. 18, 2024, set to expire Oct. 18, 2024

Job Title	Postdoctoral Research Associate
Department	Transportation and Urban Infrastructure Studies https://www.morgan.edu/soe/transportation
Institution	Morgan State University Baltimore, Maryland
Date Posted	Jun. 18, 2024
Application Deadline	Jul. 18, 2024
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Transportation Engineering
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Job Description	

One Postdoctoral Associate position is available immediately for highly motivated individuals with a strong background in Transportation Engineering, Smart Cities, Connected and Automated Vehicles, Artificial Intelligence (AI)/Machine Learning (ML), Big Data Analytics, and/or Applied Statistics.

The successful candidate will join Prof. Di Yang's lab at Morgan State University in the Department of Transportation and Urban Infrastructure Studies, affiliated with the SMARTER University Transportation Center and the National Transportation Center. The overarching research focuses include developing new or applying existing AI/ML, statistical, and/or data-driven models to address emerging transportation issues in the fields of smart mobility, traffic safety, and smart cities. The initial appointment is 12 months, but multiple-year extension is possible depending on performance and availability of funding.

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For more information, please visit:

- Di Yang's website: <https://www.morgan.edu/transportation-and-urban-infrastructure-studies/faculty-and-staff/dr-di-yang>
- Di Yang's Google Scholar: <https://scholar.google.com/citations?user=1uzoJe4AAAAJ&hl=en&oi=ao>

Required qualifications:

- Ph.D. degree in the following fields from an accredited college or university: transportation engineering, mathematics, statistics, economics, computer science, electrical engineering, mechanical engineering, and/or other relevant STEM fields.
- Hands-on experience with computing and programming in Python, Matlab, C/C++, or other object-oriented programming languages, as well as R, Julia, Stan, WinBUGS, and so on.
- Strong interest and self-motivation to perform cutting-edge research and overcome challenges in real-world engineering and to publish high-impact papers

Preferred qualifications:

- Strong background in linear algebra, probability theory, and computational mathematics.
- Experience in developing machine learning models using Pytorch, TensorFlow, and/or other relevant packages/platforms.

Review of applications will begin immediately and will continue until the position is filled.

Salary Range: \$55,000 to \$65,000 plus benefits.

Application: Interested candidates are encouraged to first email Prof. Di Yang (di.yang@morgan.edu) with the following documents before officially applying online: (1) Cover Letter, (2) CV, and (3) Contact information of at least 2 references (including name, affiliation, address, and email or phone number).

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.



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Contact

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