**About the job**

University of Wisconsin-Milwaukee (UWM) is a doctoral/research intensive university and Wisconsin’s premier public urban institution. UWM is one of the nation’s top 131 research universities (R-1 status) as recognized by the Carnegie Classification of Institutions of Higher Education. Operating within the College of Applied Science and Engineering (CEAS), UWM’s Institute for Physical Infrastructure and Transportation (IPIT) (<https://uwm.edu/ipit/>) is looking for a highly motivated research associate to lead transportation research.

**DUTIES AND RESPONSIBILITIES**

* Independently conduct research and complete required tasks.
* Write technical reports and research papers.
* Contribute to or lead grant writing.
* Supervise graduate/undergraduate students on projects.

**MINIMUM QUALIFICATIONS**

* Ph.D. in Transportation Engineering, System Engineering, Computer Science, or a closely related discipline.
* Hands-on experience with statistical models, one or more skills in AL & ML, Neural Networks, Computer Vision & NLP
* Evidence of ability to independently conduct research.
* Excellent written and verbal communication and interpersonal skills.

**PREFERRED QUALIFICATIONS**

* Demonstrated experience in applying traditional and new data sources to develop systemic and/or predictive methods for safety analysis.
* Demonstrated experience in GIS applications and spatial analysis in transportation.
* Proficiency in integrating and analyzing traffic data from various sources, including sensor data and crowdsourcing, to enhance transportation infrastructure planning and safety.
* Experience of applying image and video analytics in transportation systems analysis.
* Programming experience with web development (frontend, backend, database management, APIs), python programming experience in big data processing, database design, operations and management (e.g., SQL/MySQL), and data visualization.

This is a full-time 12-month position with possible renewal. Salary is commensurate with successful candidate's background and experience.

**TO APPLY**

For full consideration, please submit your CV, cover letter, a research statement and contact information for two (2) professional references in a single pdf file to Dr. Xiao Qin at qinx@uwm.edu. Please use “IPIT job application” in the email subject line. Review of application will begin immediately and continue till the position is filled.

The University of Wisconsin-Milwaukee is an AA/EEO employer committed to increasing diversity in recruitment and retention and advancing our University as an inclusive campus.