



## Hiring: Graduate Research Assistantships (M.S. level) – Spring 2024

I'm looking for one M.S. student starting in Spring 2024. This is a funded position (with salary, in-state tuition, and fees) and the student is expected to continue pursuing a Ph.D. degree. The ideal candidates should have an Intelligent Transportation Systems (ITS) background with solid computer programming skills (i.e., Python, C++, Java), AI/ML, computational analysis, sensing data processing and analysis, and project experience.

The following are preferred:

- Academic training and experience with advanced spatial sensing technologies (e.g., GPS, Wi-Fi, LiDAR, camera, radar, etc.), AI/ML/DL, and control models (e.g., KF).
- Experience with human mobility modeling, shared and automated mobility, travel demand models, data processing and analytics; Familiar with vehicle/traffic simulation, such as SUMO, CARLA, etc.
- College degree in Engineerings, such as Computer Science and Engineering, Operations Research/Mathematics, Electrical Engineering, Transportation Engineering

If interested, please send your CV and transcripts with a cover letter (or email) to [Lei.Zhu@charlotte.edu](mailto:Lei.Zhu@charlotte.edu). The review processing will start immediately, and the strong candidates will be contacted soon. In your cover letter or email, please briefly introduce 1) your professional background and relevant experience and 2) why you are a good fit.

### About Dr. Lei Zhu and UNC Charlotte

Dr. Lei Zhu is an Assistant Professor of Industrial and Systems Engineering (ISE) at the University of North Carolina at Charlotte (UNC Charlotte). Dr. Zhu's research areas cover Human mobility and shared mobility system modeling and simulation, Wi-Fi and GPS data processing, and spatial sensing technologies. Self-motivated students with similar research interests are welcome to join my research lab in this emerging and exciting field to enhance Smart City and Intelligent Transportation Systems (ITS). Details can be found at: <https://sites.google.com/view/lei-zhus-homepage>

Details of Master of Science in Engineering Management (MSEM) can be found at: <https://isye.charlotte.edu/graduate-programs/master-science-engineering-management-msem/admissions>

UNC Charlotte is a public research university among the nation's top 100 public universities, according to the 2024 U.S. News & World Report Best College rankings. Charlotte is the biggest metropolitan in NC state, which provides a diverse and quality lifestyle. The campus is located in the suburbs of one of the fastest-growing US cities and adjacent to a large research park with many employment opportunities.