

Research Associate

Transportation Engineering & Analysis

C²SMART Center
New York University
Tandon School of Engineering



C²SMART is a Tier 1 USDOT University Transportation Center led by NYU's Tandon School of Engineering that aims to accelerate transportation opportunities arising from unprecedented recent advances in communication and smart technologies.

C²SMART is studying challenging transportation problems and field-testing & implementing novel solutions in close collaboration with users, government agencies, policy makers, private companies, & entrepreneurs. Its research covers all aspects of transportation with a focus on disruptive technologies such as connected travelers, autonomous vehicles, shared mobility, & the Internet of Things.



NYU | TANDON SCHOOL OF ENGINEERING

Department of Civil & Urban Engineering

The C²SMART Center is seeking a Research Associate to participate in and lead transportation research projects being conducted at the center. The candidate will support faculty, staff, and student researchers, and be primarily responsible for overseeing the execution of project tasks and deliverables. Broadly, the Research Associate will lead or support the following tasks:

- Data analysis, modeling, statistical analysis, and associated documentation per sponsor/client requirements
- Visiting field sites to conduct and in some cases take the lead on administering surveys, recording and collecting data, participating in field tests, and deploying and testing new equipment such as sensors
- Lead specific tasks that require creation and calibration of simulation models, development of performance measures, and studying and understanding trends relationships from big datasets
- Documenting research activity and disseminating/presenting key findings and research activity to sponsors and partners

This position provides an excellent opportunity to work at the cutting edge of transportation planning and engineering research, with exposure to current and anticipated challenges transportation agencies and companies are facing in the New York-area. The successful candidate will have a wide-range of exposure to various transportation tools and emerging technologies, as well as a experience developing and implementing new products and solutions into practice. C²SMART's activity goes beyond the academic setting, and this position will be critical to bringing advances in technology into the real world.

The requirements for this position are as follows:

- A master's degree in civil engineering, transportation, or related from a accredited college and 2+ years of experience in transportation
- A Ph.D. in transportation engineering is preferred but not required
- Comprehensive experience in simulation and modeling software such as Paramics, Aimsun, TransCAD, CUBE, VISSIM, or related
- A proven ability to script, develop models, & conduct data analysis on large datasets with knowledge of both traditional and emerging data storage technologies (e.g. cloud-based, unstructured, etc.)

To apply, please visit <https://apply.interfolio.com/47883>

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