



## 2023 Fall fully funded Ph.D. opening in Transportation Engineering

### **Position description**

The Mobi-X lab (<https://mobi-x.ua.edu>) in the Department of Civil, Construction, & Environmental Engineering at the University of Alabama is seeking highly motivated students for **multiple graduated research assistant openings** to conduct research in the field(s) of:

- Modeling and learning of electric shared mobility systems/public transit.
- Trip and trajectory data mining and urban computing
- Equity-aware modeling and algorithm development for transportation problems
- Complex network and interdependent networks

Applicants with optimization / machine learning / network science are encouraged to apply. Prior programming skills (Matlab, Python, Java, C++) is required. A master's degree in Transportation Engineering, Industrial Engineering or other relevant fields in engineering is preferred. For inquiries about qualification and enrollment, please send your CV, transcripts, and TOEFL/GRE scores (if available, but can be waived) to [xinwu.qian@ua.edu](mailto:xinwu.qian@ua.edu). Accepted Ph.D. students will be provided with full financial support from 2023 Fall and onward.

### **About Dr. Xinwu Qian**

Dr. Xinwu Qian is an assistant professor in the Department of Civil, Construction and Environmental Engineering at the University of Alabama. He received his B.S. from Tongji University in 2012 and obtained his M.S.E. and Ph.D. in Civil Engineering from Purdue University in 2014 and 2018, respectively. Dr. Qian's research interests are focused on data analytics, modeling, and simulation of transportation systems to advance sustainable, equitable and efficient human mobility. He is an Early-Career editorial advisory board member of Transportation Research Part C: Emerging Technologies, as well as an editorial board member for the journal Data Science for Transportation. His research is mostly published in leading journals such as Transportation Research Part A, B, C, D and IEEE Transactions on Intelligent Transportation Systems. His research is funded by NSF, USDOT and USDOE.

### **About University of Alabama**

The University of Alabama (UA) is a public research university located in Tuscaloosa, Alabama, United States, and the flagship of the University of Alabama System. Founded in 1820, UA is the oldest and largest public universities in Alabama. It is among Doctoral Universities – Very High Research Activity status, formerly known as the R1 category, according to the Carnegie Classification of Institutions of Higher Education. UA is now ranked in Tier 1, the top tier of national universities in U. S. News & World Report Ranking.