

Ph.D. Research Assistant Position @ UD

Dr. Shangjia Dong's research group at the University of Delaware (UD) is seeking Ph.D. students (fully-funded) to begin in Spring/Fall 2025. The admitted candidates will enroll in the Ph.D. program in Civil Engineering at the University of Delaware. The admitted candidates will work on interdisciplinary urban sciences and AI research.

Requirement: Prospective students must have a master's (preferred) or bachelor's degree (with research experience) in fields such as computer engineering/science, data science, industrial engineering, computational and information science, or related disciplines. Candidates should possess strong programming and analytical skills. We are especially interested in those with expertise in one or more of the following areas: Deep Learning, GeoAI, Large Language Models, Network Science, and System Dynamics.

The University of Delaware (UD), founded in 1743, is a private-public research institution located in Newark, Delaware, positioned about halfway between Philadelphia (45 miles) and Baltimore (55 miles). UD is home to the Disaster Research Center (DRC), the world's first center dedicated to the social scientific study of disasters. According to The Wall Street Journal's 2025 WSJ/College Pulse rankings, UD is ranked #26 overall among 500 colleges and universities nationwide and #10 out of 235 for best public universities.

Dr. Shangjia Dong is currently an assistant professor and the endowed *Bentley Systems Early Career Professor* at the Department of Civil, Construction, and Environmental Engineering at the University of Delaware and an *Early Career Research Fellow* of the Gulf Research Program at the National Academy of Sciences. He is also a core faculty member of the Disaster Research Center, affiliated with the Sociotechnical Systems Center and the Center for Cybersecurity, Assurance and Privacy. His current research focuses on AI for Society and has received funding from organizations such as NSF, NIST, NAS, NOAA. His work is published in leading journals, such as *Communications Earth and Environment* (Nature portfolio), *Journal of Royal Society Interface*, *Computer-aided Civil and Infrastructure Engineering*, *Sustainable cities and Societies*, *Transportation Research Part C*, etc. For more information, please visit <https://shangjiadong.github.io/>

Interested candidates please send your cover letter and CV to sjdong@udel.edu. Due to the large volume of emails, I apologize for not replying to all individual inquiries.

