



College of Engineering and Physical Sciences
Civil and Architectural Engineering
and Construction Management

Fully Funded PhD Positions in Transportation Engineering Fall 2027

The research lab led by Dr. Pei Li at the University of Wyoming invites applications for one or two PhD positions starting in Fall 2027. Admitted students will receive full tuition support and a competitive stipend through Graduate Research Assistantships. The lab conducts research at the intersection of AI and transportation, with emphasis on multimodal and agentic AI for transportation safety, VLMs/LLMs for transportation, and digital twins.

Qualifications:

1. A B.S. or M.S. degree in Transportation Engineering, Civil Engineering, Computer Science, Data Science, Statistics, Electrical and Computer Engineering, Artificial Intelligence, or a related field.
2. Programming, data analysis, and computational skills in Python, C++, R, MATLAB, or similar tools.
3. Experience with machine learning, LLM/VLM frameworks, traffic simulation, driving simulators, autonomous systems, or sensor fusion is preferred but not required.

About the Lab

Dr. Pei Li is an Assistant Professor in the Department of Civil and Architectural Engineering and Construction Management at the University of Wyoming. He previously served as a Scientist at the University of Wisconsin–Madison and as a Postdoctoral Research Fellow at the University of Michigan. The lab led by Dr. Li has access to a two-cab driving simulator and high-performance computing resources through UW's Advanced Research Computing Center. For more information, visit <https://peili-safety.github.io/>.

About the University

The University of Wyoming is a Carnegie R1 research institution and a leading public land-grant university. Located in Laramie, a scenic town in the Rocky Mountain West, UW offers exceptional outdoor recreation and proximity to metropolitan areas such as Denver, Boulder, and Fort Collins. The Department of Civil and Architectural Engineering and Construction Management includes 24 faculty members and serves approximately 440 students.

How to Apply

Please email Dr. Pei Li at pei.li@uwyo.edu with a curriculum vitae, statement of purpose, academic transcripts, and representative work (e.g., publications, project reports, GitHub repositories, or code samples).