PURDUE UNIVERSITY | Open Ag Technology and Systems Center

Available Funded Position
Graduate Research Assistant - Data Analyst

The Purdue Open Ag Technology and Systems (OATS) Center is seeking a master's degree or PhD student to join our Joint Transportation Research Program (JTRP) Project *Automated Maintenance Vehicle Tracking and Record Keeping via Telematics*. This project focuses on GPS data analysis and aims to streamline Indiana's winter road maintenance activities. We are seeking candidates with a strong background in fields related to Computer Science, Electrical and Computer Engineering, or Computer and Information Technology. Proficiency in data analysis using Matlab or Python is required.

Project Description

Our research project aims to extract valuable insights on road operations and improve road maintenance logistics. By automating work order verification and generation, we aim to streamline Indiana's winter road maintenance activities, including patrolling, anti-icing pre-treatment, and snow/ice removal.

What We Offer

- Collaborate with talented researchers and developers.
- Opportunities to publish high-profile conference and journal papers.
- Close collaboration with multiple Purdue departments and the Indiana Department of Transportation (INDOT).
- 50% research assistantship.
- The position is available immediately.

About OATS

The OATS Center at Purdue aims to solve key issues in data-driven agriculture, and rural development in general, by promoting open-source data exchange, focusing on trust, automatable data exchange, and interoperability to achieve sustainability goals.

About JTRP

The Joint Transportation Research Program facilitates collaboration between the Indiana Department of Transportation, higher education institutions, and industry. Our goal is to implement innovative solutions that enhance the planning, design, construction, operation, management, and economic efficiency of Indiana's transportation infrastructure.

For more information or to apply, please contact Professor Yaguang Zhang at ygzhang@purdue.edu.