# Student Employment Opportunity

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<th>POSITION TITLE:</th>
<th>Undergraduate or Graduate Research Assistant</th>
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| SALARY & BENEFITS: | Salary $10-$12 per hour, DOE.  
- Excellent on the job training and career experience.  
- Opportunity to learn new skills and apply those learned in the classroom.  
- Good team atmosphere.  
- Close to campus.  
- Free parking. |
| HOURS: | 10-20 hrs/wk beginning as early as September 2016. |

| JOB DESCRIPTION & TASKS: | Depending on experience, the student research assistant may help with application design, development, maintenance, and verification; hardware support and troubleshooting; website support and maintenance, etc.. The research assistant may also be responsible for data collection, testing, documentation and general research tasks. |

| REQUIRED QUALIFICATIONS: | • Outstanding work ethic and skills;  
• Ability to work effectively as part of a team;  
• Interest in the subject matter  
• Willingness and aptitude to learn;  
• Excellent oral and written communication skills;  
• Good academic standing;  
• Computer Science or related major. |

| PREFERRED QUALIFICATIONS: | • Interest in a long-term, responsible position at WTI through graduation.  
• Prior software / hardware development and support experience in a team-oriented, production environment.  
• Background and/or experience in computer programming and software engineering.  
• Experience with web development using tools such as Microsoft Expression Web, Adobe Dreamweaver, Microsoft Visual Studio, etc.  
• Hands-on experience with standards-compliant HTML, Javascript, CSS and other web technologies.  
• Proficiency with image editing and optimization for the web using Adobe Photoshop or equivalent.  
• Experience with Google Maps API or similar.  
• Experience with server-side web platforms including Microsoft Windows Server / IIS / SQL Server / ASP.NET, Linux / Apache / MySQL / Perl (Python, PHP) (LAMP stack). |

Founded in 1994 by the Montana and California Departments of Transportation, in cooperation with Montana State University, the Western Transportation Institute has grown from a small, university research office into a nationally recognized center of...
excellence in rural transportation research and education. The U.S. Department of Transportation designated WTI as a University Transportation Center (UTC) in 1998; this status has helped WTI achieve a national reputation for developing effective solutions to the real transportation challenges facing rural America. Renamed a UTC in 2005, WTI continues to develop and enhance the capabilities and expertise of its research program, the size and diversity of its educational programs, and the effectiveness and reach of its technology transfer program. WTI's research focuses on safety and operations, winter maintenance and effects, road ecology, infrastructure maintenance and materials, systems engineering development and integration, mobility and public transportation, logistics and freight management as well as transportation planning and economics with research and demonstration projects in more than 30 states.

The Systems Engineering Development and Integration group at WTI is researching and applying best practices to analyze, engineer, develop and integrate hardware, software and communication systems as applied to transportation. Our team strives to do the following:

- Develop useable information technology and communication systems to meet end user needs. (Develop/Integrate)
- Demonstrate systems engineering processes that leverage best practices to maximize limited resources. (Demonstrate)
- Analyze and evaluate systems and alternatives to recognize capabilities and limitations and to maximize utility. (Analyze/Evaluate)
- Raise awareness of systems engineering via work force development and education at all levels. (Train/Educate)

APPLICATION PROCEDURE: Send resume and cover letter to contact (dgalarus@montana.edu) by application deadline.

APPLICATION DEADLINE: Open until filled. Preference will be given to those who apply by 9/16/2016.

CONTACT:
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