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| **Job Description** | | | | |
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As a CAES researcher, the successful candidate will work closely with other CAES affiliates researchers to implement creative applied computing and visualization solutions to today¿s most challenging energy related problems. The candidate will conduct applied visualization ¿tools¿ research in support of CAES academic partnerships and collaborate with other domain scientists to support visualization of research results in the fields such as Computational Fluids Dynamics, Materials Sciences, Subsurface Science, and/or other CAES related initiatives  In addition, the successful candidate will develop processes and tools to simplify advanced computational and visualization workflows. The candidate will help educate CAES researchers regarding current best practices in scientific computing and visualization and serve as a subject matter expert on domain applied computing and visualization applications. The candidate will leverage science or engineering expertise with computing and visualization capabilities to develop and maintain collaborative relationships with Idaho National Laboratory staff, CAES university faculty and students, and industry.  The successful candidate will have MS degree, Ph.D. highly preferred, in a relevant science or engineer field with strong interest and experience in computational engineering, computer science, visualization, or related disciplines. The candidate must have demonstrated experience with modeling simulation, high performance computing, and advanced visualization. The candidate must also have good verbal and written communication skills. A publication record in science or engineering with a focus on applied computational, high-performance computing and visualization is desired.  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **Qualifications** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | Advanced degree in applied science or engineering plus 3 years' experience and expertise in computational science tools and methodologies. PhD preferred.  Special Requirements and/or Training:   Preferred skills include: - Programing Languages: C, C++, C#, Java, PHP, Matlab, Visual Basic, Excel - Scripting Languages: Javascript, JQuery, Perl, Ruby - Databases: SQL Server, MySQL, Postgres, H2, Derby, SQLight, Solr-Lucene - GUI: Java Swing, JavaFX, Qt, OpenGL, HTML, JQuery - Systems: Windows, OSX, Linux, LAMP - Modeling Platforms: System Dynamics, Aspen Plus, ChemCad, SAS or R, environmental process models, model integration frameworks  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **Essential Functions** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | An Essential Function is a core duty required for the job position which the employee must be able to fulfill, with or without accommodation. Information provided below will be used during the interview to help describe the job so the applicant has a reasonable understanding of the job duties/expectations.  Visually demanding work; Basic color discrimination; Typing/keyboard; Working > 8 hrs/day; Working alone.  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **Environmental, Safety & Health** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | Must be familiar with, and comply with all relevant health and safety requirements.  Must be knowledgeable of emergency action policies and procedures, methods for reporting/resolving work practices or conditions to available cognizant professionals.  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **Other Information** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | When applying to positions, please provide a resume and answer all questions on the following screens. Applicants who fail to provide a resume or answer the questions, may be deemed ineligible for consideration.  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **Please Apply Before:** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | 01/16/2015 (Midnight)  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **INL Overview** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | The INL is a science-based, applied engineering national laboratory dedicated to supporting the U.S. Department of Energy's mission in nuclear energy research, science, and national defense.  With 3,800 scientist, researchers and support staff, the laboratory works with national and international governments, universities and industry partners to discover new science and develop technologies that underpin the nation's nuclear and renewable energy, national security and environmental missions.  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **The Idaho Falls Area** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | Idaho Falls is conveniently situated near many national treasures such as Yellowstone National Park, Teton National Park, Jackson, WY, etc.  For more information about the area, please visit www.visitidahofalls.com and www.visitidaho.org.  . | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | **Equal Employment Opportunity** | | https://inlrecruiting.inl.gov/cs/hprd91r/cache/PT_PIXEL_1.gif | INL is an Equal Opportunity Employer Minorities/Women/Veterans/Disabled | |  | | | | |  |