Interaction Designer/Researcher

Computational and Statistical Analytics Division, Information Analytics Group

Pacific Northwest
NATIONAL LABORATORY

Description:
Research and build a new generation of user interfaces and user experiences to facilitate interactive visual information analysis. Solve complex user interface design problems across a suite of projects. Design new visual techniques and interaction techniques for exploring complex data. Implement proof-of-concept applications for the purpose of testing system and interface concepts, and design and conduct usability evaluations. Work with development teams to build working research prototypes and production software applications in visual information analysis. Champion and influence good interface and interaction design concepts, and serve as user advocate.

Minimum Requirements: (must meet minimum requirements to receive further consideration)
Degree in Human Computer Interaction, Human Factors, Cognitive Science, Perceptual Psychology, Computer Science or related technical discipline is required. An advanced degree is highly desired. Minimum qualifications include:
  • Level 3: Bachelor's degree with 5 years or Master's degree with 3 years of relevant experience.
  • Level 4: Bachelor's degree with 7 years or Master's degree with 5 years of relevant experience, with demonstrated technical leadership.

Requires experience building user interfaces, a strong human computer interaction design background, strong oral and written communications skills, and an ability to work effectively in interdisciplinary teams in a highly dynamic environment. The ability to obtain a future security clearance is required, which requires U.S. citizenship.

Qualifications:
Seeking candidates with a demonstrated track record of creativity and problem solving; experience in interpreting user needs and developing requirements specifications and conceptual and detailed user interaction designs; ability to develop and conduct usability evaluations and assist in testing software tools and interfaces, and ability and interest in authoring publications. Familiarity with software development methods and practices, computer graphics fundamentals and graphical software tools is required. A background in fine arts, particularly applied to human computer interaction design, and an understanding of cognitive and perceptual psychology is desired. Placement level will be dependent upon management's assessment of the selected candidate's skills, experience, and ability to contribute.

Please apply online for this position at http://jobs.pnl.gov (job ID #115382). This position is located in Richland, Washington.

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