



## Junior Simulation Software Developer (CATI-11-007) Daleville, Alabama

### Junior Simulation Software Developer

**Location:** Daleville, Alabama  
**Position Status:** Full Time  
**Start Date:** Immediately  
**End Date:** Permanent Position

**Job Posting No:** CATI-11-007  
**Posting Start Date:** September 26, 2011  
**Posting End Date:** November 30, 2011

### *Job Description*

- o Design, development and debug, performance optimization, and integrate real-time simulation modeling software and other sophisticated analytical software for use in military and commercial simulation applications in C, C++, C#, and FORTRAN
- o Work closely with the database modelers to ensure proper integration between the database developed and the Image Generator runtime
- o Create emulation models to test software changes and other system enhancements
- o Develop Graphic User Interface (GUI) for simulation applications
- o Maintain software Configuration Management (CM)
- o Review, research, analyze and evaluate new software, software techniques, and tools for simulation and modeling applications
- o Support integration efforts at customer facility and during conferences/shows
- o Support software design document development

### *Qualifications Required*

- o BS in Computer Science Software Engineering or equivalent degree
- o Experience in Windows and Unix Operating Systems
- o Proficient in developing software in C, C++, C#, and FORTRAN
- o Knowledge with Microsoft Visual Studio
- o Experience with object-oriented design/development
- o Experience with network communications and communications protocols desired
- o Strong PC skills, in particular with Microsoft Office tools (Word, Excel, Project, PowerPoint, Outlook, etc)
- o Strong interpersonal, communication and planning skills
- o Ability to work and communicate well with co-workers and colleagues, team player

### *Experienced Desired*

- o 1-3 years simulation experience
- o Knowledge of various Image Generator platforms
- o Knowledge of DoD High Level Architecture (HLA) or Distributed Interactive Simulation (DIS)
- o Knowledge in industrial standards such as OpenFlight®, OpenGL, OpenSceneGraph, etc
- o Knowledge in advanced mathematics such as differential equations, linear/non-linear equations, transfer functions, numerical integration, time domain/frequency domain techniques, curve fitting, and interpolation for training simulation development in vehicle dynamics or physics-based simulation

Please contact Laura Brown (334) 598-1319 ext 243 or via email [careers@catinet.com](mailto:careers@catinet.com) for further information.

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Job Posting 26 September 2011.