



Gaming Programmer Job Description

Summary:

mVR is the medical virtual reality division of Cleveland-based Surgical Theater (<http://surgicaltheater.net>), a leader in the field of advanced 3D Virtual Reality Imaging and Surgical Navigation and Guidance software. mVR is based in western Los Angeles and is creating advanced VR systems and devices for use in medical training, procedure planning as well as use during actual neurosurgery.

mVR is currently looking for software professionals to join the new division. These professionals will be responsible for the full life-cycle of specific sub-systems being developed. The sub-systems run on high-end Windows PCs, with the latest graphics cards.

Job Duties:

- Develop computer software written in the C# computer language.
- Maintain process for software backup and quality control through the development and implementation phase.
- In collaboration, be able to import and program the behavior for the variety of art, sound effects and music assets into software, including 3Dmodels, textures, materials, 2D animations, general animations and humanoid mocap information.
- Maintain appropriate industry standards.

Core Competencies, Skills and Experience Requirements

- Relevant degree and three years of experience
- Windows operating system
- Configuration control (such as Subversion)
- Interface protocols (TCP/IP, UDP/IP, RS-232, USB and the like)
- Medical data formats (DICOM)
- Medical imaging tools (such as VTK, ITK, Slicer)
- Electronics and hardware
- Advanced graphics (OpenGL, volume rendering)
- Mathematics (matrix calculations, 3D geometry)
- Experience in 3D/VR game development
- Distributed applications (LAN and Internet)
- Testing
- Technical writing
- Be able to create high quality and complex software scripts to provide required behavior

Attributes: Appreciative and Positive Attitude, Self-Managed, Highly Motivated, Team Player, Problem Solving, Judgment, Confidentiality, Continuous Improvement, Results Driven, Strong Communication Skills, Multitasking Ability in a Startup Environment

Surgical Theater is a leader in the agile development of Medical Applications for Virtual Reality and Imaging Guidance. The company's 3D Virtual Reality, Surgical Guidance and Navigation Platform is transforming the way Surgeons consult with patients, plan complex surgical procedures, use medical imaging during surgery and conduct postoperative reviews.

Surgical Theater, LLC "See What You Can't See"

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