Visualization and Virtual Reality Modeling for Urban Transportation Projects

The Center for Transportation Research at The University of Texas at Austin

Job Description: The Center for Transportation Research - an organized research unit of The University of Texas at Austin, is hiring a full time person to help with computer visualization and virtual reality applications on large highway projects. The position includes assisting in the production of three-dimensional (3D) computer aided design models of major transportation infrastructure projects for use in 3D renderings, four-dimensional (4D) construction animations and Virtual Reality (VR) applications that will be utilized for potential engineering design evaluations, public information, and other technical analyses.

About CTR: The Center for Transportation Research is a nationally recognized research center at The University of Texas at Austin focusing on transportation research, education, and public service. Established in 1963 as the Center for Highway Research, its current and ongoing projects address virtually all aspects of transportation, including economics, multimodal systems, traffic congestion relief, transportation policy, materials, structures, transit, environmental impacts, driver behavior, land use, geometric design, accessibility, and pavements.

Requirements:

- Familiarity with Autodesk software (AutoCAD, Civil 3D, Navisworks, 3dsMAX)
- Familiarity with or willingness to learn rendering engines such as VRay ([www.chaosgroup.com](http://www.chaosgroup.com))
- Familiarity with or willingness to learn Unreal gaming engine ([www.unrealengine.com](http://www.unrealengine.com))

Personal skills: We are interested in a candidate who has attention to detail, likes to dabble in new technologies, is self-motivated and responsible with a positive attitude. In addition, we are looking for a quick-learner who enjoys working in a team environment.

Benefits: Employee with be a full time salaried employee with the University of Texas at Austin. In addition to a fair salary and competitive benefits, employee will gain valuable experience working with a team responsible for the development of visualizations for some of the largest transportation construction projects in Texas. 3D and 4D animations, Building Information Modeling (BIM), and Virtual Reality are becoming more common place in the construction industry.

Additional benefits include:

- Working under licensed Professional Engineer
- Working with UT graduates
- Dallas-Fort Worth (DFW) area is a thriving metropolitan with numerous things to do
Logistics

- Location: Fort Worth, TX
- Work Environment: Office, Occasional observations on project site

Contact Information

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