Augmented Reality Developer

ArchieMD seeks an ambitious AR Software Developer to develop immersive simulations for training medical providers. These highly interactive programs include realistic human anatomy blended with medical simulation manikins. Successful candidates will be creative while developing robust, scalable code. Candidates must have a solid computer science background that enables application of theoretical concepts to new technologies, specifically in the realm of AR. The position offers a unique opportunity to work on creative applications that challenge the state-of-the-art.

Position Requirements:
- 2-4 years using C++; A peer/supervisor would consider you strong or expert in C++ dev.
- 1-2 years hands-on experience building 3D graphics applications a plus
- 1+ years building augmented reality applications
- Experience with optical/marker-based tracking technologies, e.g. ARToolkit, infrared tracking
- Experience with vision-based tracking is a bonus.
- Hardware "hacking" skills are a bonus.
- Experience with Visual Studio 2005 or later is preferred; development will be done on Windows platform
- BS/MS in Computer Engineering or Computer Science with BS, research, work, or internship experience is preferred.
- Solid understanding of computer graphics concepts, esp. linear algebra, 3D transforms, and rendering pipeline
- Solid understanding and experience with object-oriented programming and associated design patterns
- 2+ years of OpenGL or DirectX development
- Self-motivated, able to budget time on large, multi-faceted tasks
- Experience using one or more of the following: Ogre3D, Torque3D, Unity3D, or other source-modifiable game or graphics engine a plus

ArchieMD, based in Boca Raton, FL, is a growing technology company (~20 employees) that develops interactive and immersive applications to teach medical concepts to wide array of stakeholders (students, doctors, nurses, patients, jurors, military personnel). These applications seek to use visual and interactive techniques to teach complex medical concepts. Currently the company is developing state-of-the-art immersive environments (using augmented reality), 3D simulations, series games, and interactive applications.

Relocation to Boca Raton area of Florida required

Salary:
Benefits: paid vacation and holidays health insurance 401k, potential for tuition reimbursement