

3D Software Developer

Keywords: 3D graphics, 3D scene reconstruction, spatial database, 3D database, bundle adjustment.

Background

Quidient's flagship product is its Quidient Reality™ SDK that is used by development partners to build revolutionary scene processing applications. The SDK is deployable in a variety of configurations for running across various physical platforms including smartphones, digital cameras, UAVs, and wearables.

Overview

Quidient seeks a skilled software developer with strong 3D technology experience to join our growing company. You will be able to design, implement, and test Quidient Reality™ Engine, Database, GUI, and application code in C++. You will be a quick thinker with great coding/debugging skills, excellent time-management skills, and strong collaborative skills. Title, compensation (including equity), and relocation expense reimbursement will be commensurate with experience.

Requirements:

- Bachelor's degree or higher in Computer Science, Electrical Engineering or equivalent.
- 5+ years of experience developing production code as part of a high-performance team.
- Deep understanding of multithreaded object-oriented code design, implementation, and testing using C++ in the Microsoft Visual Studio development environment.
- U.S. citizen or permanent resident. Highly qualified H-1B visa holders will be considered.
- Live near, or be willing to relocate to, our tech center in Columbia, MD. Highly qualified candidates currently living in or moving to remote situations will be considered.

Preferences

- Practical experience interfacing application code with machine vision cameras (e.g., GenICam).
- Experience successfully working on cross-functional teams.
- History of successful delivery of products.
- Strong 3D technology experience and record of success in 3D tech companies, including startups.
- Familiarity with Windows, iOS, and Android operating systems, Python (NumPy/SciPy), Ceres.
- Brilliant thinker who can contribute both "inside and outside the box."
- Familiarity with hardware design (FPGA programming using VHDL, Verilog or other RTL).

About Quidient

Quidient (www.quidient.com) is a 3D imaging technology company with a tech center located in Columbia, MD. We are scientists, engineers, and entrepreneurs who have built some of the most advanced 3D imaging systems in the world. Our mission is to become the world's preferred supplier of scene reconstruction and processing engines for digital devices like smartphones and AR glasses. Our Engines record 3D geometry, materiality, and 2D light flowing in generalized scenes and will enable thousands of applications that will transform the way we live and work. We are partnering with some of the top organizations on the planet. Our culture is open, honest, supportive, decentralized, multicultural, and high-performance.



If you are interested in a career with Quidient and feel qualified for the position described, please send your resume in confidence to brandon.turley@quidient.com or scott.ackerson@quidient.com (CEO) Quidient is an equal opportunity employer. Direct applications only.