Quidient

Scene Reconstruction Scientist/Engineer

Columbia, Maryland

Description

Quidient is seeking a Scene Reconstruction Scientist / Engineer with deep expertise in developing systems and software used to create 3D reconstructions. You will have the opportunity to work with our engineering team to produce the world's first 5D Generalized Scene Reconstruction engine. This position is full-time, hybrid, and reports to Director of Software Engineering and CTO.

Requirements

- Master's degree in computer science or related engineering fields
- 6+ years of experience developing production code, or 4+ years in academia and 2+ in a production code
- Experience with COLMAP or other 3D reconstruction software, including feature extraction, matching, triangulation, and bundle adjustment
- Strong experience in computer vision and image processing techniques, including stereo vision, structure from motion, and multi-view geometry
- Meet Quidient, customer, and government security requirements, which may include, but are not limited to a background check, citizenship verification, and Criminal Justice Information Services verification
- This position is not eligible for H-1B sponsorship
- Live within easy commuting distance of our Technology Center in Columbia, Maryland

Preferences

- Background in high-performance computing, including GPUs, FPGAs
- Experience with inverse rendering algorithms that consider light field interaction with surface and/or volume representations of matter
- Experience developing neural network-based image reconstruction platforms
- Record of success in 3D technology companies, including startups

Compensation

The salary range for this position is $145,000-$185,000. Quidient benefits currently include Health Insurance, 401K plan, basic life insurance, long-term disability insurance, supplemental insurance, Holidays, and Paid Time Off (PTO). Title, bonuses, equity, allowances, and benefits commensurate with education, experience, and other qualifications.

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. We are the first mover in a transformational new domain called Generalized Scene Reconstruction (GSR). Our mission is to become the world's preferred supplier of scene reconstruction and processing engines. 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 lee.rannals@quidient.com. Direct applications only.