

Software Engineer

Job overview: EchoPixel is seeking a passionate software engineer to join a dedicated team of clinical specialists, software engineers, imaging experts, and stereoscopic visualization pioneers to help drive the development of next-generation AR / VR software for live imaging-based surgical planning and intervention. As a first-to-market solution, the EchoPixel True3D platform represents the new frontier of medical imaging, helping to embolden surgeons, optimize clinical workflows, and improve patient outcomes.

What you'll be doing:

- Work with clinicians, product managers, and medical device industry leaders to conceptualize, prototype, develop, and validate high clinical impact software products for surgical planning and intervention
- Embrace and maintain best practices and coding standards such as code reviews, unit and integration testing
- Author technical documentation
- Support QA in developing test plans

Required qualifications

- Bachelor's or Master's degree in computer science or a related field (comparable work experience would also be considered)
- Proficient in C++ programming, including object-oriented design, data structures, and algorithms
- Excellent verbal and written communication skills
- Ability to work and troubleshoot independently
- Strong time management, prioritization, teamwork, and interpersonal skills

EchoPixel cannot sponsor applications for work visas at this time

Nice to have:

- Experience working in Agile environments
- Knowledge of medical imaging concepts and standards such as DICOM
- Experience with the Qt framework
- Knowledge of VR / AR concepts and platforms
- Experience in multithreaded / parallel computing environments
- Experience developing software in regulated environments for medical applications
- Familiarity with the medical device lifecycle

About EchoPixel

EchoPixel's True3D platform is the first interactive mixed reality software platform for improved surgical imaging that facilitates more precise and personalized surgical planning. True3D enables physicians to interact with medical images (such as standard DICOM CT, MR, echocardiography and C-Arm fluoroscopy) the way they would with physical objects in the real

world. Holographic-like images of organs, blood vessels and other structures allow physicians to rotate, re-size, dissect, and create virtual patient-specific surgical views.

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