

Senior Developer Job Description

About us

One of Sheridan's six Research and Incubation Centres, the Screen Industries Research and Training Centre (SIRT), is an internationally recognized and nationally funded research centre focused on technical and creative research as well as the incubation of talent and content within the creative and cultural industries. Located in a 10,000 sq. ft. sound stage at Pinewood Toronto Studios, SIRT plays a key role as a research and development and innovation support hub for the cinema, television, and gaming sectors in one of North America's leading production and post-production regions. For more information visit sirtcentre.com.

Job Description

Reporting to SIRT's Software Engineer Lead, the successful candidate will work on a wide variety of software projects while leading a team of junior level developers and mentoring co-op students. Software development experience and a strong understanding of 3D graphics concepts are pivotal to being successful in this role.

Responsibilities

- Lead small teams of junior developers to complete software research projects
- Determine software architecture for solutions
- Provide technical leadership and assistance for team members
- Provide technical training for junior developers as required
- Participate in software development work
- Conduct research into new hardware devices, software libraries, tools, and algorithms
- Break up project work into tasks, assign tasks to team members, and track task and project progress creating critical paths as needed
- Develop and write funding grants with industry partners for applied research projects

Required Skills

- At least 3 years professional software development experience
- Good knowledge of C# and C++
- Working knowledge of 3D game engines such as Unity or Unreal
- Solid understanding of 3D graphics concepts (forward/deferred rendering, shaders and materials, character animation, performance profiling)
- Comfortable with 3D math (vectors, transformation matrices, quaternions)
- Experience creating and refining architecture for software systems using UML
- Experience working with new technologies such as virtual reality and augmented reality

- Proven ability to manage and assist other software developers

Nice to Have

- Knowledge and experience with machine learning
 - Understanding of common machine learning models for supervised and unsupervised learning
 - Understanding of training and evaluation of ML models
 - Familiarity with at least one machine learning framework (e.g.: TensorFlow, Torch, Keras)
 - People and Project Management experience

To apply please send your resume to sirt@sheridancollege.ca and specify the position title “Senior Developer” in the subject heading.