Job Posting: 176973 - Position: S26 Software Engineering Co-Op 176973

Co-op Work Term Posted:	2026 - Summer
App Deadline	01/20/2026 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	01/12/2026 04:02 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Arius Technology
Address Line 1	1148 - 13351 Commerce Parkway
City	Richmond
Postal Code / Zip Code	V6V 2X7
Province / State	British Columbia
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
<b> Job Title <b>	S26 Software Engineering Co-Op 176973
Position Type	Co-op Position
Job Location	Richmond, BC
Country	Canada
Duration	8 or 12 months
Salary Currency	CAD
Salary	3250.0 per month for 0 Major List

Job Description

Arius Technology Inc is searching for a Software Engineering Co-Op who will help develop and maintain our next generation 3D surface acquisition and processing software, and related engineering tools.

Arius is a Canadian art technology company that is an industry leader in laser based optical scanning for the digitization of art. Our precision opto-electro-mechanical system captures color and depth with incredible accuracy and speed. Paired with a state-of-the-art six degrees of freedom robot arm for motion control, the Arius mobile scanning system will be used to scan cultural heritage masterpieces at top tier museums and historical locations worldwide.

This position will initially revolve around a Python and C++ development environment and involve refactoring and testing existing software, build, and dev-ops of these programs. The tasks will further evolve into development of feature requests and validating more complex problems as the software stack increases.

Key Responsibilities:

• Maintain Python and C++ codebases to latest industry and company coding standards
•Designing, executing, and reporting on robust testing of new software releases
•Maintain and update documentation for existing codebase
•Work within a mature software development environment with an expectation of maintaining a high-quality codebase
•Design and implement new software features across the codebase, prior examples include:
• 3D point cloud rendering
•Alignment camera data interfacing
•Laser beam profiling
•Robotic control algorithms

• Work closely with stakeholders to ensure the changes and features developed meet their needs

Duration: 8, 12 or 16 months

Job Requirements

Key Qualifications:

• Engineering Student in Electrical Engineering, Computer Science, Engineering Physics, Systems Engineering, or a related field
•Highly proficient with Python and C++
•Knowledge of software development process and tools such as CMake, Git, JIRA, and Agile project management
•Experience debugging software in hardware environment
•Excels working in a collaborative team environment, has a high value for communication, and is goal oriented
•High attention to detail
•Excellent written and verbal communication skills
•Experience developing and debugging firmware for embedded systems would be an asset
•Experience with Linux operating system such as Ubuntu would be an asset
•Knowledge of build pipelines and tools such as Jenkins would be an asset
•Experience writing unit tests with regression testing would be an asset
•Experience in instrumentation and automation software development in Python is an asset

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op
Cover Letter Required? Yes
Address Cover Letter to Hiring Manager