

Job Posting:175835 - Position: S26 Ultrasound Research Co-op 175835

Co-op Work Term Posted:	2026 - Summer
App Deadline	12/18/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	12/04/2025 02:59 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	DarkVision Technologies Inc.
Address Line 1	40 Gostick Pl
City	North Vancouver
Postal Code / Zip Code	V7M 3G3
Province / State	British Columbia
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
 Job Title 	S26 Ultrasound Research Co-op 175835
Position Type	Co-op Position
Job Location	North Vancouver, BC
Country	Canada
Duration	4 or 8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Salary Range \$	4000-4800 per month
Job Description	

Position Description:

We are looking for an Ultrasound Research Co-op to join our Research and Innovation team for an 8-month term (4-month term can be considered for an exceptional candidate).

As a Research Co-op, you will work side-by-side with the Research and Innovation team to develop our upcoming ultrasound-based imaging products. You do not need to have previous experience with ultrasound.

You will actively participate in industrial scientific research focused on state-of-the-art ultrasound imaging solutions. You will be working in a multidisciplinary team of scientists and engineers dedicated to advancing ultrasound technology. The ideal candidate is both scientifically minded and pragmatic, with a strong desire to work and grow in a fast-paced technology environment.

Responsibilities:

- Innovate:** Engage in cutting-edge research, implementing, and developing state-of-the-art ultrasound imaging solutions.
- Collaborate:** Work closely with fellow scientists within the team who will mentor you and support your endeavors. Collaborate within and outside of DarkVision to achieve research objectives.
- Develop:** Software and algorithms for processing ultrasound data, leveraging both local and cloud-based resources.

- **Communicate:** Prepare and deliver presentations and/or technical reports to different audiences.

Opportunities to Learn:

- State-of-the art industrial ultrasound imaging methodologies
- Classical and modern signal/image processing technologies
- Scientific computing and GPU programming
- Cloud services such as AWS, Docker, and Kubernetes
- Team collaboration methodologies such as Agile and Scrum
- Exposure to various industrial asset inspection applications
- Converting ideas into intellectual property assets (e.g., patents)

About DarkVision:

DarkVision Technologies Inc. is a Canada-based tech company disrupting the industrial imaging market since 2013. We have created the world's most advanced acoustic-based imaging platform. We are packaging it into multiple new product lines, revolutionizing how our clients quantify and visualize the integrity of their critical assets.

Backed by Koch Industries, one of the world's largest privately held companies, Darkvision's team of Mechanical, Skunkworks, Electrical, Software, and Machine Learning Engineers is rapidly expanding to meet the demand for the company's current and upcoming products. Our employees to work on cutting-edge technologies that blend science with real-world applications.

Building on its commercial success in the downhole market, we are transitioning into a much larger organization and have recently expanded into a state-of-the-art 52,000 sq ft facility in North Vancouver, BC. We are expanding globally by opening offices in the US and Norway. We invite you to join our team for the exciting journey ahead as we become the global leader in industrial imaging.

Why DarkVision:

Here are some of the reasons you'll like working at DarkVision:

- **Well-Funded:** We are backed by Koch Industries - North America's largest privately held company, and actively work with top-tier operators across North America.
- **'A' Players:** Our team is made up of talented, intelligent, and hardworking people. If you're an 'A' player, you'll enjoy the intellectually stimulating, challenging and respectfully competitive atmosphere.
- **Creativity valued:** Our employees enjoy considerable freedom and are encouraged to take calculated risks, fostering a culture that values creativity and out-of-the-box ideas.
- **Supportive mentorship:** Many of our employees have participated in a co-op program themselves. We understand what it takes to ensure your success and personal development during a successful co-op term contributing to the company's achievements.

Job Requirements

Basic Requirements:

- Currently enrolled in a university undergraduate or graduate co-op program in: **Engineering, Physics, Mathematics, Computer Science**, or related field (**exclusively seeking 3rd and 4th-year undergraduates**)
- **We are also interested in hiring MSc and PhD students in CPSC**
- Programming experience with Python and/or MATLAB
- Strong math and physics knowledge
- Excellent communication and presentations skills
- Collaborative and open-minded

What will put you ahead:

- Experience with wave-physics-based applications: non-destructive testing, medical ultrasound, seismic imaging, radar, or sonar
- Signal and image processing knowledge
- Experience with scientific computing including GPU programming
- 2D/3D visualization and rendering experience (e.g., ParaView, 3D Slicer etc.)
- Experience with ultrasound simulation software (e.g., CIVA, K-Wave, Field II)
- Experience with ultrasound imaging techniques (e.g., FMC, PWI, TFM)
- Experience with ultrasound research systems (e.g., Verasonics, SARUS)
- Familiarity with industrial ultrasound scanners (e.g., OmniScan, Topaz)

Citizenship Requirement N/A

Position Start Date May 04, 2026 12:00 AM

Position End Date December 31, 2026 12:00 AM

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op
Cover Letter Required? Yes
Address Cover Letter to Mr. Derrell D'Souza