

Job Posting:175764 - Position: S26 Intern, Screen Content tools for Video Compression/Coding 175764B

Co-op Work Term Posted: 2026 - Summer
App Deadline 12/09/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 12/02/2025 01:19 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization Interdigital
City Wilmington
Province / State DE

JOB POSTING INFORMATION

Placement Term 2026 - Summer
** Job Title ** S26 Intern, Screen Content tools for Video Compression/Coding 175764B
Position Type Co-op Position
Job Location Montreal, QC
Country Canada
Duration 4 months
Work Mode To be confirmed
Salary Currency CAD
Salary 0.0 per hour for 0 Major List

Job Description

Job ID: REQ25-1047

About InterDigital

InterDigital is a global research and development company focused primarily on wireless, video, artificial intelligence ("AI"), and related technologies. We design and develop foundational technologies that enable connected, immersive experiences in a broad range of communications and entertainment products and services. We license our innovations worldwide to companies providing such products and services, including makers of wireless communications devices, consumer electronics, IoT devices, cars and other motor vehicles, and providers of cloud-based services such as video streaming. As a leader in wireless technology, our engineers have designed and developed a wide range of innovations that are used in wireless products and networks, from the earliest digital cellular systems to 5G and today's most advanced Wi-Fi technologies. We are also a leader in video processing and video encoding/decoding technology, with a significant AI research effort that intersects with both wireless and video technologies.

Founded in 1972, InterDigital is listed on Nasdaq.

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For more information, visit: www.interdigital.com.

About your Video Lab Internship

State-of-the-art video codecs use a very diverse range of coding tools on different parts of the video codec, such as filtering, intra or inter coding, transforms, entropy coding, as well as for different scenarios, such as natural video content, screen content, gaming content, etc. Also, the use of some tools created for screen content videos has proven to be effective on natural content videos.

This internship is carried out in the R&I video coding team in Montreal. The student will get familiar with the state-of-the-art video codecs, will understand how screen content tools are used for video coding improvement. The student will analyze various of these

tools that exist and work towards applying improved methods to the current and future video coding standards. The work will involve coding in C++ and a good background in digital signal processing is a must.

Roles & Responsibilities:

- Familiarize yourself with existing video coding standards such as HEVC and VVC.
- Work with reference model software (e.g., VTM, ECM) to understand current implementations.
- Review academic and industry literature on screen content coding tools.
- Enhance tool usage to improve video coding performance.
- Implement and test improved algorithms within the test model software.

Expected Outcomes:

- Develop a clear understanding and documentation of screen content tools used in video codecs.
- Implement enhancements to existing tools in C++ within the test model software.
- Evaluate the performance of the improved tools and compare results with state-of-the-art methods.
- Produce a comprehensive report detailing the work completed during the internship.
- Deliver a final presentation to the R&I team summarizing findings and contributions.

This internship is available in 2026, **please indicate your availability for a 4+ month internship in the questions associated with your application or a cover letter. Flexibility with start date.**

Job Requirements

Qualifications:

- Strong foundation in digital signal processing.
- Proficient in C++ programming.
- Knowledge of video coding is preferred but not required.
- Experience with Python and shell scripting is a plus.

Keywords: MPEG, HEVC, VVC, Video Coding, Digital Signal Processing, C++

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

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Application Link: https://interdigital.wd5.myworkdayjobs.com/en-US/InterDigital_Intern/job/Montreal-CAD/Intern--Transform-Optimization-for-Next-Generation-Video-Coding_REQ25-1047?source=LinkedIn

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.