Job Posting:171022 - Position: F25 Software Engineering Intern 171022B

Co-op Work Term Posted:	2025 - Fall
App Deadline	07/10/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	06/26/2025 03:08 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	NXP Semiconductors
Address Line 1	77 King Street West
City	Toronto
Postal Code / Zip Code	M5K 0A1
Province / State	ON
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
<b> Job Title <b>	F25 Software Engineering Intern 171022B
Position Type	Co-op Position
Job Location	Kanata, ON
Country	Canada
Duration	4 or 8 months
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List

Job Description

Business Line Description

- Be an integral member of a highly-experienced team in R&D that is responsible for developing IP (Intellectual Property) used in the design of advanced microcontrollers and microprocessors. The IP for which this team is responsible enables a product portfolio with billion USD in annual revenue. Chances are that the car you drive, the intelligent devices that pervade your living space and the factories that produce the goods you use will contain one or more of the chips that you contribute to.
- We are part of Advanced Chip Engineering, a central design organization within NXP, developing products for multiple business lines in Automotive, Internet of Things (IoT), Networking, and Radio Frequency products, with expertise in hardware engineering, including architecture, IP, and full SoC Design.

Job Summary:

In this role, you would contribute to the verification of a leading edge hardware design/system. You would:

- Develop software solutions for the verification of the hardware System On Chip (SoC) products
- Develop, execute and debug a wide range of functional and system tests and checks to validate hardware design and performance
- Work with IC Design and System architects to develop test plans based on Design specification

Job Qualifications:

In order to apply for this position, the candidate must be:

• Available to work the 4, 8 or 12 month work term
•Working towards a bachelor degree in Software or Computer Engineering, Electrical Engineering or Computer Science program
•Strong knowledge of C/C++, object-oriented programming
•Focus on quality of results, with proven problem-solving abilities.
•Ability to communicate in English and work effectively within a team

The following skills are highly desirable:
• Good knowledge of Unix/Linux, Perl
•Knowledge of FPGA, System Verilog and/or other verification languages and simulators
•Student work experience in hardware design or verification environment
•Knowledge of digital design verification including test environment implementation and test plan development
•L2 and L3 networking protocols implementation (e.g. Eth/IP/TCP/UDP)

Office location:
Ottawa, Canada

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website
Cover Letter Required? Optional
Address Cover Letter to Hiring Manager
Special Application Instructions

Application Link: https://nxp.wd3.myworkdayjobs.com/en-US/careers/job/Kanata/Software-Engineering-Intern_R-10058774
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.