

Job Posting:171229 - Position: F25 Embedded UI Developer 171229

Co-op Work Term Posted:	2025 - Fall
App Deadline	07/14/2025 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	07/08/2025 10:01 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Seron Electronics
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Embedded UI Developer 171229
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	4 or 8 months
Salary Currency	CAD
Salary	22.0 per hour for 0 Major List
Job Description	

Embedded UI Developer Co-op Student

We're looking for a hands-on, creative co-op student to contribute to the development of a user interface for an advanced embedded device running on a Linux-based platform. The project focuses on building a responsive touchscreen interface that communicates with other embedded systems.

Key Responsibilities:

- Develop software for a Linux-based embedded system
- Collaborate with hardware and software teams to ensure smooth integration
- Create a clean and functional UI for touch interaction
- Document software architecture and development clearly for future reference
- Test and optimize the software in practical lab environments to ensure reliability

Technical Qualifications:

- Experience with Qt / QML (preferred) or Python + PyQt / Kivy
- Familiarity with Embedded Linux platforms (e.g., Raspberry Pi, Jetson)
- Basic knowledge of Linux system configuration (e.g., systemd, startup services)
- Proficiency with Git for version control

- Exposure to hardware tools or basic embedded diagnostics

Job Requirements

Who You Are

- 3rd or 4th year student in Computer Engineering, Software Engineering, or Mechatronics
- Interested in embedded systems, UI/UX, or product development
- Confident writing clean, modular code
- Excited to see your work running on real hardware in a lab setting

Nice to Have (Not Required)

- Experience with HDMI + USB touchscreen displays
- Familiarity with Jetson or other ARM-based platforms
- Exposure to SPI, UART, or USB communication protocols

Personal Attributes:

- Strong analytical and problem-solving abilities
- Clear communicator - both technically and cross-functionally
- Passionate about AI, automation, and innovative tech
- Self-driven and able to manage tasks independently

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Address Cover Letter to Hiring Manager

Special Application Instructions

To apply, **email** your application to jobs@seronelectronics.com with 'Fall Coop SWIS25' in the subject line. Applications will be reviewed on a first-come, first-served basis.

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

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.