

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

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

## **ORGANIZATION INFORMATION**

<b>Organization</b>	Seron Electronics
<b>Country</b>	Canada

## **JOB POSTING INFORMATION**

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

### **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](mailto: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.**