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Nymi Inc.  
Toronto ON

Dear Recruiter,

I am very interested in your job posting for the Embedded System Developer position for a 4 month co-op. I feel that my education and experience would be a definite asset to your company as summarized below.

<b>Your Requirements</b>	<b>My Qualifications</b>
Experience with C/C++ for microcontrollers	Numerous personal projects using both ARM Cortex M and AVR microcontrollers, such as the electrical and software design of a flight controller for a quadcopter using an ARM Cortex M4 microcontroller and FreeRTOS.
Familiarity with peripheral devices and protocols	Interfaced multiple MEMS IMU sensors over I2C for flight controller project using DMA data transfer. Wrote device driver for SD card using SPI protocol. Interfaced with multiple analog sensors using an ADC and DMA data transfer for a data acquisition unit.
Efficient code development for embedded applications	Created unified API for communication between main processor and FPGAs on multiple different hardware platforms, reducing code duplication and eliminating the need for runtime checks to determine hardware platform.
Experience with Laboratory Equipment	Extensive experience with Oscilloscopes, Logic Analyzers, Digital Multimeters, soldering tools and other electronics equipment acquired during design, assembly and troubleshooting of PCBs including 1st generation prototype circuit board at Lumotune, and Flight controller personal project.

I am excited about this opportunity to work with Nymi Inc as I am deeply interested in embedded systems design and wearable electronics. I would find it an interesting and stimulating environment in which to apply my skills and learn new ones. I hope to discuss this position further with you.

Sincerely,  
Richard Matthews