



## Firmware Developer (FD)

Timing is everything! Now is a perfect time to join a dynamic team in an innovative work environment that is leading the Kootenays through the new industrial revolution. Astra is an Industry 4.0 company focused in sensor development, data processing and networking as well as data chain development.

## The Company

Astra Smart Systems began operations in November 2015 and was acquired by Carl Data Solutions in June 2018. As part of the Industry 4.0 ecosystem, Astra is working on a variety of solutions for industrial clients.

## The Job

The Firmware Developer will design, debug, implement and test firmware for data acquisition and data logging products based on STM32 ARM Cortex-M micro-controllers using C language. Be part of our motivated team in an open and collaborative working environment.

The job includes (but is not limited to):

- Write, maintain embedded firmware in C language
- Debug embedded firmware on proprietary and STM32 based development boards
- Implement firmware solutions based on existing state machine design frameworks
- Work with other team members and strictly following guidance to implement specified solutions

## Skills/Qualifications Needed

- 5 years working experience in embedded C programming
- ARM Cortex-M, STM32 series micro-controller knowledge
- ARM CMSIS system knowledge
- Hierarchical state machine design experience is a welcome skill
- No hardware and electronics design experience is required
- Good communication and team interaction

Candidates who are considered, will be required to present an example project development cycle of a basic functional unit of a choice on an STM32 development platform.

## The Location

Astra Smart Systems is located at the i4C Innovation center south of the Trail Regional Airport on highway 22; close to hiking trails; Walmart and the Canada/US Border.



## Firmware Developer Job Posting

### Why Should You Apply?

- Great work environment
- Become part of a dynamic team
- Excellent innovation and development opportunity

### Interested?

Please contact us. Posting closes: **September 21, 2018, 4:30 pm**

Email resume and cover letter to [jobs@astra.earth](mailto:jobs@astra.earth). Only short-listed candidates will be contacted.

Job Type: Full-time

Salary: to be determined based on experience and qualifications