**MCC Toronto**

**Electrical Designer**

EDUCATION:

* Bachelor’s Degree in Electrical Engineering

YEARS OF EXPERIENCE:

5 years of experience in electrical engineering.

REQUIRED KNOWLEDGE:

* 5 to 10 years experience in electronic Hardware and software development
* Familiarity with control systems
* IOT experience required
* Knowledge of automotive communication protocols like CAN and LIN.
* PCB layout
* Proven electrical and electronic design skills with expertise in at least one EDA tool.
* Preference is Microchip PIC
* Solid programming background with experience in C for microcontrollers. Visual Studio required.
* Able to work independently in a fast paced environment
* Extensive knowledge of electrical/electronic systems and basic knowledge of mechanical systems
* Thorough knowledge of 12v/24v DC and low voltage AC (120, 220, 400 VAC etc.) components and associated wiring
* Self starter, must be able to identify the next sequential task
* Familiar with MS Office
* Able to use MRP/ERP System
* Exposure to Military or other government projects
* Able to read/interpret government specs

BRIEF JOB DESCRIPTION:

* Develop microcontroller and embedded systems for the control of mobile HVAC systems
* Develop embedded software for next generation control systems with a focus on IOT
* Electrical, power management and control systems for HVAC products
* Produce detailed electronic schematics, BOM’s, drawings, documentation, verification and test plans specific to customer and project requirements
* Liaison and periodic travel to end customers
* Will liaison with vendors for technical information and specifications
* Assign part and drawing numbers and create BOM’s
* Identify electrical/electronic components, connectors and wiring required too be used in new and existing products
* Assist in fabrication of prototypes testing and samples for production when required
* Participate in preparation of bid/proposal documents
* Product qualification testing

Position available immediately.

To apply, please email Nancy Barrett at [nancy.barrett@mcc-hvac.com](mailto:nancy.barrett@mcc-hvac.com)

Mobile Climate Control encourages applications from all qualified candidates. Please contact Nancy Barrett at nancy.barrett@mcc-hvac.com or 1-905-482-2750 ext. 1266 or Cell: +1+647-405-6651 if you need accommodation at any stage of the application process or want more information on our accommodation policies.