

ACCUTRON INSTRUMENTS EMPLOYMENT OPPORTUNITY



SOFTWARE ENGINEER INTERNSHIP/CO-OP – SUMMER 2017

For Mine Ventilation Automation - Accutron Instruments Inc.

A lot of other folks will put some nonsense about kittens, rainbows and unicorns here. We won't.

We are people that like to roll up their sleeves and get their hands dirty. If you work here we are going to drive you to be as successful as you can be. We are on a mission to expand our successful company.

Accutron Instruments Inc. is an aggressive growing company in Sudbury Ontario. We design and manufacture advanced sensors and instrumentation that are changing the future of underground mine ventilation. We are building a strong technical team that pride themselves on superior execution. If this sounds like your thing, please send us your resume.

THE ROLE

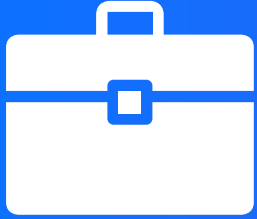
We are looking for a motivated graphics engineer to help us create real-time rendering effects in our products. We are aiming to build the world's SCADA experience by taking full advantage of HTML5 and our new Industrial IOT (IIoT) Industrial Multi Protocol Gateway.

You will work within the development team to automate testing, implement new tests, and create innovative automated test systems. You will contribute to cross-functional system architecture, software system design, and rapid prototyping.

Your application to the Software Engineering Internship will be considered for all opportunities across HTML5 SACADA, Industrial Controls, Gateway, Radio Systems, Facility Management Systems, Motor Control, Tools Development, and Data teams in Sudbury, ON, Canada.

REQUIRED SKILLS

- Proficiency in front and back end technologies such as HTML, CSS, Javascript, SQL.
- Proficiency in C/C++ and strong scripting skills in at least one common language (Python).
- Familiarity with National Instrument Testing Software.
- Experience designing real-time embedded systems in C.
- Experience with CAN bus systems and associated tools.
- Ability to read and interpret electrical schematics and work efficiently with hardware design resources.
- Capable of hands-on bring up, debug and code optimization.
- Experience with DSPs, microcontrollers and real-time operating systems.
- Experience implementing real-time control strategies, especially PID based control development is a plus.
- Proficient in JavaScript, WebGL, WebSocket, WebCanvas, SQL, O-O methods.
- Experience using common design patterns in the software industry.
- Experience writing and shipping real-time 3D rendering, a plus.
- High standards for code quality, maintainability, and performance.
- Experience with geolocation data is a plus.
- Experience with AI or Search algorithms is a plus.



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QUALIFICATIONS

- Currently working towards a BS, MS, or advanced degree in a relevant engineering program.
- You must be self-managed and committed to working in a fast-paced environment.
- Hands-on experience is a must.
- Professional and positive communication skills.
- Previous internship and/or project experience is a plus.
- Ability to relocate to Sudbury, Ontario.

RESPONSIBILITIES

- Design, code, and debug JavaScript, WebGL, WebSocket, WebCanvas, SQL.
- Design and implement real-time 3D modeling techniques.
- Work with a cross-functional team of hardware engineers, application/UI software engineers, QA/Validation, and designers.

OTHER SKILLS AND QUALIFICATIONS

- You are proficient in UI design and have experience with dynamic web application development using modern technologies such as JavaScript, jQuery, CSS, HTML5 and C#.
- Software Development front end
- Google Apps integration

TERMS OF EMPLOYMENT

Full time – days, evening and weekends / Language: English

ABOUT THE COMPANY

At Accutron Instruments Inc. we design, manufacture and commission a wide range of mining sensors to meet the demands of harsh industrial environmental conditions and infrastructure demand. Our products include airflow monitors, toxic gas detectors, temperature, pressure and humidity level sensors and complete Mine Air Quality Stations (MAQS).

We are committed to the continuous development of top-quality instrumentation for process automation solutions. We are driven by the work we do, creating global impact in the mining industry that leads to market advantages for our customers and a strong successful future for our company.

Accutron Instruments Inc. is a leading manufacturer of underground mine ventilation & automation technology founded in 1993. We are based in Sudbury, Ontario, Canada. We supply worldwide industrial markets with products and services for ventilation monitoring, process automation and optimization of mine ventilation systems to improve process efficiency and energy conservation.

APPLY BY

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Website: <http://accutroninstruments.com/>