

Battery Development Assistant - Engineering (Chemical/Nano/Electrochemical Field) or Related Science Field  
Full-Time, located in Guelph, Ontario

**Solid Ultrabattery Inc. (SUB)**, is a Canadian company founded in 2019, with a new research facility located in Guelph, Ontario – minutes off Highway 6 and the 401. SUB is owned and operated by Volt Carbon Technologies Inc. (formerly known as Saint Jean Carbon), a publicly traded company with the Alberta Trade Commission.

As a new company with great potential this is a wonderful opportunity for an engineer-in-training or science graduate to grow with our evolving business. We anticipate a year of expansion and are looking for an individual that will thrive in this kind of environment. If you are a hands-on individual, with strong laboratory skills that is eager to learn and enjoys problem solving this is the role for you.

Solid Ultrabattery is a high-tech enterprise focusing on R&D, design, production of low cost, high energy, and safe solid-state batteries. Solid Ultrabattery's mission is to develop a solid electrolyte battery that far exceeds the performance of today's leading battery technologies. If you share a passion for clean energy technology and enjoy working in a laboratory environment, then you will succeed on our team.

SUB currently has a full-time position in our Guelph research facility available for an individual that has recently graduated with a bachelor's degree in a field related to chemical, nanotechnology, or electrochemical engineering or a related strong scientific field. Candidates must be eligible to work in Canada and qualify for this government funded youth in STEM based role.

The following skills will help you succeed: independence, excellent communication, collaboration, willingness to learn, adaptability, strong understanding, and desire to learn all things related to battery technology development in a scientific research laboratory. If you have participated in publishing scientific papers and have experience in hands-on laboratory work, this will be an asset.

#### RESPONSIBILITIES:

- Evaluate and characterize material properties of cathode, anode, and electrolyte for Li-ion batteries
- Develop Li-ion battery fabrication process, based on the materials' properties
- Optimize parameters in the battery fabrication process for new advanced Li-ion battery designs
- Test and evaluate Li-ion batteries to ensure quality control and safety measures are in place
- Document the Li-ion battery fabrication processing parameters and evaluation of the materials and Li-ion batteries.
- Collaborate with material scientists and mechanical engineers to optimize performance and continually improve processes.



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#### REQUIREMENTS:

- Recent Graduate: Engineering (Chemical/Nano/Electrochemical), or Physics, or Related Scientific Field
- Eligible to work in Canada (Government of Canada youth STEM funding programs may support this role)
- Available on site in Guelph, Monday to Friday, full-time, hours may vary depending on battery production stages, therefore flexibility is required
- Strong scientific fundamental skills related to battery manufacturing process, and strong working knowledge in R & D lab (have published papers or participated in supporting scientific publications)
- University transcript required, preference for strong GPA
- Working knowledge with material science, chemical and electrochemical reactions
- Hands on laboratory skills, keen sense of safety measures, attention to detail is a must, ability to work independently and good decision-making skills
- Working with various lab equipment and tools is an asset
- Excellent written and verbal communication skills, along with collaboration and teamwork skills

#### APPLICATION PROCESS: Apply by April 15, 2022

- Direct application to: **Angie Doria** (she/her), Business Manager, [adoria@subattery.com](mailto:adoria@subattery.com)
- Include the following in your application: (1) Cover letter, (2) Resumé or CV, (3) Undergraduate Transcript
- It is helpful to offer multiple ways to contact you, email, cell number and Linked-in address
- Application process includes pre-screening email or phone call, introductory video conference meeting with Human Resources Manager, in-person technical panel interview in Guelph. References required.