**Associate R&D Engineer at Abom, Inc.**

1. **Job Description**

* Be part of the Abom product development and improvement team by:
  + Assist Abom’s Chief Technology Officer (CTO) and SBIR Phase I military project leaders working on a feasibility study for the US Special Operations Command (US SOCOM) that Abom has begun work on.
  + Work on the technology and product form factor elements in the development of Abom’s next generation heated anti-fog protective eyewear products.
* Design, prototype, build and test heated protective eyewear in various sizes and capacities.  Develop procedures and standard test protocols for manufacturing.  Able to troubleshoot, collect and analyze data and present test results to the engineering and management team.
* Assist in evaluation of various transparent thin-film electrically conductive materials including indium tin oxide, silver nanowire, graphene and others, along with associated battery technologies in preparation for miniaturization of current technology.
* Construct and perform reliability tests on various key system components.
* Conduct innovative research projects aiming to optimize performance and reliability.
* Conduct material endurance and compatibility tests to aid system material selections.
* Run design validation tests and perform analyses afterwards to guide design goals for improved product performance and reliability.
* Develop manufacturing strategies for component cost reduction.
* Assist in business-related tasks, including the development of budgets, company fund raising efforts, manufacturing and marketing efforts.
* Interest in active outdoor sports and past military service is a plus.
* Other duties as assigned.

1. **Desired Skills & Experience**

* Current Graduate Student or recent recipient of MS or PhD.
* Completed Bachelor’s Degree or higher in Physics, Material Science or Mechanical Engineering. A minor in business is a plus.
* Demonstrated knowledge of wearable technology, electronics and/or mechanical engineering related to thin film conductive material and chemical process engineering principals in a fuel cell or battery industry.
* Good interpersonal and communication skills to work effectively with a small, dynamic team responsible for product development.
* U.S. Citizenship or permanent work visa

1. **Company Description**

Abom, Inc. is a wearable technology company in the business of inventing, producing, marketing and selling innovative protective eyewear products in the military, industrial safety, and consumer active sports markets. Abom focuses on active anti-fog technology that will not allow fog to survive in military and sports winter goggles and other types of industrial or sports eyewear. The US Military has tested Abom’s goggles, concluding that the technology is “awesome” and Abom is poised to have its military goggles accepted on the US Military Authorized Protective Eyewear List (APEL) in 2018.   Abom also has a new high end safety product that is being used in a growing number of industrial operations and is in its third year of revenues in the snow sports arena, where it sells to its direct and wholesale customers in North America, Europe, Russia, China and Japan.  Abom’s fog-killing technology has the potential for broad application in products that Abom or others, through OEM or licensing arrangements, will bring to market. With 26 patents issued and 35 pending, plus 53 trademarks granted, Abom has a growing IP portfolio. Multiple industry players have interest in Abom producing their products or licensing and are potential acquisition partners.

Abom, Inc. Location: 7145 SW Varns St., Suite 101; Portland, Oregon 97223

Proposed Start Date: As soon as possible

Duration: 6-9 months

Persons Reviewing application: Jack Cornelius, CEO ([jack@abom.com](mailto:jack@abom.com)) and Don Megrath, COO & CFO ([don@abom.com](mailto:don@abom.com))