

# ONAMI Intern Job Description

## Associate Mechanical Engineer at Abom, Inc.

### 1.0 Job Description

- Work with the ABOM Product Development Team to design, prototype, build and test heated protective eyewear for Commercial and Military markets, and next generation Augmented Reality (AR) goggles in various sizes and capacities.
- Perform Mechanical engineering design analysis including calculations for generating specification and to create design model that meet performance, efficiency, life, and quality objectives.
- Proficient at CAD software (Solidworks, Pro-E) to create mechanical, design simulation and validation tests, and perform volumetric design analyses afterwards to guide product development goals for improved product performance and reliability.
- Develop Component Engineering support for manufacturing strategies.
- Develop Quality Control procedures and ISO adherence standards for test protocols and manufacturing process.
- 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.
- Ability to travel up to 10% of the time (domestic and international).
- Other duties as assigned.

### 2.0 Desired Skills & Experience

- Current Graduate Student or recent recipient of MS or PhD preferred.
- Completed Bachelor's Degree or higher in Mechanical Engineering, Electrical Engineering, Physics, or Material Science. A minor in business is a plus.
- Demonstrated knowledge of IOT wearable technology, embedded electronics integration platforms and/or mechanical engineering related to 3D modeling and prototyping.
- Good interpersonal and communication skills to work effectively with a small, dynamic team responsible for product development.
- U.S. Citizenship or permanent work visa

### 3.0 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 and has recently approved them for the Army's Authorized Protective Eyewear List (APEL). Abom has also just announced an interest in developing an AR goggle that is ballistics rated and ruggedized for use in military applications. 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 45 patents issued and 21 pending, plus 59 trademarks registered, 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))