

VICTORIA HAND PROJECT CO-OP STUDENT JOB POSTING

Employment Duration: 4 Months – Spring 2024, from Jan 8th to April 26st.

Location: This job will take place at the Biomedical Design and System Laboratory (BDSL) ELW A144 at the University of Victoria.

Eligibility: This position is subsidized by TECHNATION’s Career Ready Program (or an equivalent wage subsidy program). Please visit the [TECHNATION website](#) to determine if you meet the eligibility requirements.

Background Information:

Victoria Hand Project (VHP) is a charitable organization committed to improving the lives of amputees globally. By leveraging innovative technology and collaborative partnerships, we design and produce affordable, high-quality prosthetic hands for individuals in need. Our mission is to enhance accessibility to prosthetic devices, ensuring a better quality of life for people around the world.

Job Description:

As a Co-op Student at Victoria Hand Project, you will have the unique opportunity to contribute to our impactful work. Your responsibilities will include, but are not limited to:

- **Prosthetic Assembly and Testing:** Assemble prosthetic hands and support the onboarding of new partner clinics. Conduct bench-testing, evaluation, and pre-production design work to ensure quality and functionality.
- **3D Printing Management:** Utilize 3D printers to maintain a sufficient stock of 3D printed parts for prosthetic hands, ensuring a seamless production process and timely delivery to partner clinics and recipients.
- **Training Material Development:** Develop training documentation and videos tailored for deployment in resource-poor areas of North America, facilitating the effective use of prosthetic devices.
- **Material and Design Testing:** Assist in testing different materials and designs used in device development, contributing valuable insights to enhance product performance.
- **Coordinating and Managing VHP Volunteer Team:** Oversee the VHP volunteer team, ensuring effective collaboration and productivity.
- **Regulatory Compliance:** Assist with FDA and Health Canada regulations, ensuring adherence to relevant standards and guidelines in the prosthetics industry.
- **Fundraising and Proposal Writing:** Create fundraising and pitch documents, including proposals for expansion projects. Research funding opportunities and apply for grants to support VHP initiatives.
- **Reporting:** Write periodic technical and summary reports to document the progress and outcomes of the work done, ensuring transparency and accountability.

Qualifications:

This role is intended for students studying engineering, or a similar field of study. The ideal candidate will have the following technical qualifications:

- Knowledge of 3D printing
- Hands-on skills for assembly
- Understanding of basic solid mechanics
- Experience using SolidWorks / AutoDesk Fusion 360
- Strong writing skills (for internal and external documents)

Preferred Qualifications:

The following qualifications are not considered mandatory but would be a strong asset:

- Familiarity with the Adobe Suite (i.e. Premiere Pro, PhotoShop, Illustrator, etc.)
- Experience with using Python, or similar programming languages
- Prior experience designing jigs and using them for bench-top testing

To Apply: Email a Resume and Cover Letter to the Victoria Hand Project Team via info@victoriahandproject.com