Summer 2022 Sustainability Scholars Program Internship Opportunity

The UBC Sustainability Initiative (USI) is pleased to offer current UBC graduate students the opportunity to work on funded sustainability internship projects. Successful candidates work under the mentorship of a partner organization, and are immersed in real world learning where they can apply their research skills and contribute to advancing sustainability across the region.

- Visit the Sustainability Scholars Program website to learn how the program works and to apply.
- Be sure to review the application guide to confirm your eligibility before applying.

Applications close at midnight on Sunday January 30, 2022.

>> This is a Fraser Estuary Research Collaborative Project >>

Project Title: Graphic Rendering of a Restored and Resilient Fraser Estuary

Project Background & Overview:
Protection and restoration goals are needed to make the Fraser Watershed Resilient. A resilient watershed has the capacity to retain and improve community, economic and ecosystem health, even during major disturbances, such as climate change.

A Graphic Rendering or image synthesis is the process of generating an image by means of a computer program. The image represents the potential of that space. For example, when a developer wants to sell the idea of a new townhouse development on a vacant property, they develop visual graphic renderings to present the ideas to potential investors and buyers.

The Rivershed Society of BC is taking a similar approach to support work to restore the Fraser Watershed by presenting potential restoration projects in a visually appealing and easily digestible way to elevate support for the projects. In doing this, our goal is to develop a watershed wide visualization tool depicting a resilient Fraser, with 30% of the watershed protected and 5% restored to enable partners throughout the Fraser to push funders and government to support protection and restoration efforts.

This Sustainability Scholars project will focus on a discrete area of the Fraser estuary and be used to elevate and support restoration efforts by encouraging public support and capital investments.

Project description
Building on the work done by a Sustainability Scholar in 2021, this project will develop a series of graphic renderings, which when stitched together, will depict a restored and resilient Fraser Estuary.

One of the projects that will be featured is the “Fraser River North Arm Jetty Breaches” by Raincoast Conservation Foundation. The jetty alters the connectivity between the north arm of the Fraser River and its estuary, and limits passage for juvenile salmon. Breaches would allow for passage of juvenile salmon, while not have an impact on navigation.

Depending on the time needed to complete this project, further renderings may be completed on other potential restoration projects in the Fraser Estuary.

These renderings will represent the values and benefits of the projects and be utilised to gain public and partner support, as well as funding for the project.

Project scope

The sustainability Scholar will:

- Conduct interviews with experts to identify the technical requirements and limitations of jetty breach restoration project and priorities.
- Develop a graphic rendering/vision of the restoration project and priorities to present a visual story.
- Create a written report supporting the graphic rendering/vision.
- Work with the Rivershed and its partners to research restoration priorities and projects within the Fraser Estuary.
- Develop further renderings as time permits.

Deliverables

- A final report containing a summary of the work completed
- A final report for the online public-facing Scholars Project Library.
- Graphic rendering and written report on the North Arm Jetty Breaches Project.
- Additional graphic renderings as time permits.

Time Commitment

- This project will take 270 hours to complete.
- This project must be completed between May 2 and August 12, 2022
- The scholars are to complete hours between 9 am and 5 pm, Monday to Friday, approximately 19 to 22 hours per week.

Required/preferred Skills and Background

☒ Excellent research and writing skills
☒ Demonstrated interest in sustainability
☒ Strong analytical skills
☒ Ability to work independently
☒ Deadline oriented
☒ Project management and organizational skills
☒ Technical and drafting skills and asset
☒ Demonstrated experience in Graphic rendering and associated computer programs
☒ Demonstrated design and layout skills

Applications close **midnight Sunday January 30, 2022**
Apply here: Click here to apply
Contact Karen Taylor at sustainability.scholars@ubc.ca if you have questions

Useful Resources

We are holding a special **resume preparation workshop for prospective Scholars** on January 19. Click here for details and to register.

Below are some links to useful resources to help you with your resume and cover letter (there are many more online). Some of these resources also provide information on preparing for your interview.

https://students.ubc.ca/career/career-resources/resumes-cover-letters-curricula-vitae

https://www.grad.ubc.ca/current-students/graduate-pathways-success

https://www.grad.ubc.ca/cover-letter-cv-resume-templates-ubc-career-services