

Melissa Goon

github.com/MelissaGoon

melissagoon.github.io

Email : melissahuijungoon@gmail.com

EDUCATION

- **University of British Columbia** Vancouver, BC
B.Sc. Combined Major in Computer Science and Biology; Cumulative GPA: 82.6% (2019 – 2025)

EXPERIENCE

- **Google Summer of Code - Blender Foundation** Remote
Contributor May 2023 - September 2023
 - Worked with a mentor from the Blender organization to implement several community-sourced improvements to a large, open-source code base using **C**, **C++** and **Git**.
 - **UV Editor Edge Slide:** Enhanced UV map editing for increased efficiency by enabling dynamic sliding of UV edges toward adjacent vertices, with options for mouse-based movement tracking or precise adjustments using a slider.
 - **UV Editor Select Random:** Enabled users to selectively choose or deselect random UV vertices, edges, or faces. Customization options include seed and ratio adjustments for flexible selection precision.
 - **UV Editor Merge By Distance Popup:** Created a popup display making it easier for users to keep track of and understand the impact of the merging operation.

PERSONAL PROJECTS

- **Redcommend - Cmd-f 2023 Hackathon (Sponsor Prize Winner, Diversity in CS Mentorship winner)**
 - Collaborated with a team to create a Reddit thread summarization tool, leveraging the **Cohere language model API** and **Reddit API**.
 - Developed an intuitive and visually appealing website using **Flask**, **HTML**, and **CSS** to provide users with an efficient solution for summarizing lengthy discussions.
- **Adventure Awaits – NWHacks 2023 Hackathon**
 - Collaborated with a team to develop a full-stack web application enabling users to receive written directions to randomly interesting nearby locations, integrating the **Google Maps API**.
 - Utilized **Figma**, **HTML**, and **CSS** with the **Bootstrap** framework for the front-end development.
- **Course Average Viewer**
 - Created a website to visualize the average course grades at UBC over time and the ability to filter results by professor.
 - Developed the back-end using **TypeScript/JavaScript** and the front-end using **React**.
 - Gained experience with **agile methodologies**.
- **3D Portfolio Website**
 - Created a portfolio website with 3D elements using **Blender**, **React**, **Three.JS** and **Tailwind CSS**.
- **Flashcard App**
 - Independently built a program for creating and saving flashcards using **Java** and **Swing** for the UI.
 - Applied knowledge of object-oriented design and design principles acquired during the Software Construction course.

PROGRAMMING SKILLS

- **Languages:** Python, C++, Java, C, Typescript, Javascript, HTML, CSS **Technologies:** Git, React, Flask
- **Relevant courses:** Introduction to Software Engineering, Intermediate Algorithm Design and Analysis, Computer Hardware and Operating Systems, Introduction to Computer Networking, Applied Machine Learning