



SAHARAH BAINS

Computer Science Student

604-771-3085 | saharahb19@gmail.com | github.com/saharahb

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML, CSS, ReactJS, NodeJS, SwiftUI
Tools/Environment: GitHub, MongoDB, JUnit, Figma

TECHNICAL PROJECTS

beeFit – youCode Hackathon *SwiftUI* Apr 2024

- Designed and developed a mobile iOS app using SwiftUI that integrates fitness plans and retail rewards systems.
- When users start their daily workout, their movement is tracked by the Core Motion Activity Manager framework, and they are awarded points, which can then be redeemed in stores for discounts and deals.
- During a 24-hour hackathon, designed the UI/UX in Figma and implemented the frontend in SwiftUI, while collaborating with three teammates using GitHub and clear code documentation.

Reader's Room – Academic Project *Java, Java Swing, JUnit* Feb – Apr 2024

- Developed a GUI book logging system using Java and Java Swing, allowing users to catalog their personal libraries through an intuitive interface.
- Implemented features such as adding new books, viewing libraries, and adding book ratings or reviews, utilizing object-oriented programming principles.
- Employed best practices in software development, including error handling, and clear code documentation.

SwipeBright – cmd-f Hackathon *ReactJS, NodeJS* Mar 2024

- Developed a web application for students to find peer tutoring support by swiping on user profiles and chat with their matched users, as a means of enhancing educational equity.
- Responsible for frontend implementation using React.js and CSS to create multiple pages including account login, account data entry, and the swiping and chat interfaces.
- Assisted in the implementation of real-time chat functionality, using data stored in MongoDB database.

Mind Matcher – nw HackCamp *HTML, CSS, JavaScript* Nov 2023

- Collaborated with a partner to develop a tool that matches users to therapists based on personalized needs.
- Users may select multiple mental health concerns and they are directed to a page of health professionals that specialize in those areas, therefore making these services more accessible.
- Responsible for prototyping in Figma and then UI implementation using HTML, CSS, and JavaScript.

WORK EXPERIENCE

Web Developer – West Coast Auto Detailing March 2024 – Present

- Designing and developing custom React components tailored to the business owner's specific requirements.
- Implementing eye-catching UI/UX designs that match the company's style to enhance user engagement.
- Optimizing website performance through code refactoring and performance tuning techniques.
- Will be providing ongoing maintenance and support, to ensure the stability of the website after deployment.

Research Assistant - UBC Life Science Institute Jan 2022 – May 2023

- Independently developed assays for testing gene functionality in the model organism *Drosophila melanogaster*, using methods such as GAL4/UAS system, RNAi, and various genetic interactions.
- Efficiently completed PCR and DNA cloning with high precision, while maintaining a sterile work environment.
- Created graphical data and completed statistical analyses, using R and Python.
- Prepared written and visual progress reports and presented data to multiple research teams.

- Patient Clerk** – Fraser Health Authority Mar 2021 – Aug 2021
- Managed and screened large crowds of patients for COVID-19 symptoms and vaccine eligibility.
 - Worked closely with health care professionals and recorded detailed patient information, including vaccination status, record of informed consent, and medical history.
 - Input information into a provincial health database and organized inventory data in Excel.

- Pharmacy Assistant** – Bains Pharmacy Apr 2019 – Aug 2019
- Maintained efficiency in a fast-paced environment by preparing invoices, scanning prescriptions, and updating patient records.
 - Greeted a diverse population of patients, managed appointment schedules, and communicated in a friendly and professional manner.

COURSES AND PRESENTATIONS

- Biosafety for Study Team Members | UBC Risk and Safety Services Sep 2022 – Sep 2027
- Introduction to Laboratory Safety | UBC Risk and Safety Services Sep 2022 – Sep 2027
- Research Talk: *“Clinical Interpretations of rare human gene variants in Drosophila: Autism and Beyond.”*
 - UBC Cellular and Physiological Sciences Research Conference Mar 10, 2023
 - Multidisciplinary Undergraduate Research Conference Mar 18, 2023
 - UBC PATHS Neuroscience Research Conference Apr 2, 2023

VOLUNTEER WORK EXPERIENCE

- Zone Captain** - BC Children’s Hospital Foundation Race for the Kids Jun 2017 - Present
- Organized and supervised activities for the annual RBC Race for the Kids event.
 - Acted as a liaison between committee members and volunteers to run the event smoothly.
 - Prepared materials and planned activities in the months prior to the event.

- Student Volunteer** - UBC Cancer Association Sep 2021 – Jan 2023
- Facilitated fundraising events including the annual Relay for Life in support of the Canadian Cancer Society.
 - Attended meetings to help the club plan events to provide information about cancer-related issues on campus.

EDUCATION

Bachelor of Computer Science Sep 2023 – Present
University of British Columbia, Vancouver, BC

Bachelor of Science in Biology Sep 2019 – May 2023
University of British Columbia, Vancouver, BC

INTERESTS

- Reading
- Gymnastics
- Puzzles
- Concerts