



# Carissa Shum

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A Vancouver based developer and designer with a goal of creating a positive user experience within every project by combining design with a programming skill set. The aim of exceeding the needs of the intended users inspires the development of meaningful applications ranging from the web to mobile.

## Design Skills

- Wireframing
- Prototyping
- Ideating
- Interface Design

## Technical Skills

- HTML / CSS
- JavaScript
- Kotlin
- Adobe InDesign
- PHP
- MySQL
- Adobe Photoshop
- Adobe Premiere
- C / C++
- Processing
- Adobe Illustrator
- Android Studio
- Java
- Arduino
- Adobe After Effects
- Figma

## Mobile Experience

Jan - Dec 2022

### Android Developer Co-op

FORM Athletica

- Contributed to the development of new app features using Kotlin and addressed bug reports in an Agile environment for seven external update releases.
- Collaborated with the mobile, product, and design team to successfully assist with the implementation of the company's rebrand launch for the app.
- Developed the Workout Builder on the Android app as part of the company's first feature team, allowing swimmers to create and swim their own workouts.

Feb - April 2021

### App Developer & UI/UX Designer (Academic Project)

VanCity Cycling

- Developed a cycling route planning Android app in a team of two in collaboration with CityStudio and the City of Vancouver to promote bike riding.
- Designed the user interface and coded the app's functionality using Java, resulting in favourable feedback from the teaching team.
- Presented the app to the City of Vancouver's Transportation Division where it received recognition for its friendly interface and various planning features.

## Web Experience

March - June 2021

### Web Design & Development Internship

SeeRem

- Created mockups and a prototype in a team of three using Figma for SeeRem's web application to be used as a reference during its development process.
- Restructured the existing website to better convey their application to potential customers and coded the changes using HTML, CSS, and JavaScript.
- Successfully launched the SeeRem site using the Google Cloud Platform which resulted in positive recognition from the company's founder.



Sept - Dec 2020

## Front-end & Back-end Developer (Academic Project)

Shoe Addiction

- Worked in a team of three to make a fictional shoe store web application, focusing on the back-end handling of user requests to better understand the structure of present-day e-commerce sites.
- Implemented a MySQL database to store account information, retrieve product or user data, and record updates for a fully developed web application.
- Coded the site using HTML, CSS, and JavaScript for seamless user interaction, including filtering abilities, and PHP to process database information.

## Design Experience

Jan 2018 - Present

## Multimedia Designer

Panorama School of Dance

- Editing together camp videos to be shared with families which feature dance performances, highlights, and a photo slideshow using Adobe Premiere.
- Designed display slides for the waiting rooms to inform students and parents about current and upcoming events in 2018 and 2019.
- Compiled images and formatted them to be projected onto the theatre's stage to be used as backdrops for two of the studio's yearly dance productions.

Sept - Dec 2021

## User Experience Designer (Academic Project)

The Bicycle Valet

- Designed personas, journey maps, and mockups in a team of five for a digitalized ticketing system for The Bicycle Valet to improve their user experience.
- Conducted surveys, informal interviews, and participatory workshops to gain insights which helped strengthen and inform the final design solution.
- Led communication between my team and The Bicycle Valet by setting up meetings and handling email correspondences to ensure that deadlines were met.

## Education

2018 - Present

## Simon Fraser University

BSc. in Interactive Arts and Technology, Minor in Computing Science

- Expected graduation: December 2023
- Recipient of the Simon Fraser University Undergraduate Scholars Entrance Scholarship with Distinction (2018-2021)
- President's Honour Roll (2019-2021)
- Dean's Honour Roll (2019-2021)