MELISSA SYLVIA LEE

✉ **MELISSA_LEE_10@SFU.CA**

☎ **778-868-3663**

GitHub

COMPUTING SCIENCE

EDUCATION

Simon Fraser University fall 2016-current
Faculty of Applied Science
Computing Science

PERSONAL PROJECTS

Virtual Reality Prototype Spring 2017
- Coded and designed a virtual reality prototype using Unreal 4 Engine.
- Uses a mixture of C++ and the engine specific language Blueprint.
- Features AI, Game Design, VR, vision tracing, physics.
- Presented prototype to the founder and CEO of Archiact

Coding, Modelling and Design Game Spring 2016
- Coded and designed a small game on Unreal Engine 4.
- Uses a mixture of C++ and the engine specific language Blueprint.
- A game coded in C++ and Blueprints featuring artificial intelligence, 3D modelling, and virtual physics.

Personal Website spring 2017
- Currently coding a blog in Ruby on Rails and HTML to showcase projects, illustrations, and resume
- Post digital illustration content bi-weekly

Android Messenger App spring 2017
- Coded on Android Studio using Java/Javascript
- Designed the UI for the messenger app

KEY SKILLS

Software Languages: C++, C, Python, Bash
Web-Design Languages: HTML, Ruby on Rails, CSS, Java Script
Databases: mySQL, Alpache

COMMUNITY ENGAGEMENT

Women in Tech (WinTech) 2017-current
- Developed an interactive map using Mapbox, HTML, JavaScript to locate where WinTech team was on their cross-Canada tour.
- Coded map into Wordpress website
- Worked with a team to promote fellow women in the STEM industry.

Virtual Reality Conference 2017 spring
- Collaborated with HTC to showcase their virtual reality games
- Helped Archiact (a virtual reality company in Vancouver) run the largest virtual reality conference in Canada

CLASS PROJECTS

Walk-in Patient Clinic summer 2017
- Developed a walk-in patient clinic system - C++
- Collaborated with a team updating code files and using clear and concise communication
- Tested and optimized data and Big O runtime

Python Final Project fall 2016
- Developed an interactive game using python
- Designed board map
- Worked on a team, Divided work evenly

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WORK EXPERIENCE

Hardware Appliance Specialist
Bed Bath and Beyond   fall 2015 - fall 2016
- Promoted appliances to the customers and informed them of the specifications
- Collaborated with coworkers to ensure customers' needs were met
- Memorized and organized many products in a high paced environment

INTERESTS AND CLUBS

SFU Smash Club Executive
- Collaborated with club team and other clubs such as the E-Sports club to efficiently run competitive videogames tournaments at SFU.
- Seek and setup venues, manage fees, organize budget & materials

Digital Art Blog and Live Stream
- Live stream digital illustrations twice a week and post illustrations biweekly

SCHOLARSHIPS

BC Achievement Scholarship
- BC Achievement Scholarships recognize the top high school graduates in the province.

Chevron Canada Limited Scholarship
- Recipient of a major scholastic award from Chevron Canada recognizing academic excellence
- Recognition of pursuit of higher education and plans to better the community