

# Emma Jonas

## Software Developer

A dedicated and hard-working student who is passionate about sports, technology and software development



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## SKILLS

Self-motivated, organized,  
diligent, team leadership

HTML, CSS, Javascript,  
React, React Native, C, Shell  
Scripting and unit testing

Advanced understanding of  
Java and other object-  
oriented programming  
languages

Extensive experience with  
Adobe Creative Suite

Thorough knowledge of  
Microsoft Office

Experienced with Mac/Linux

## INTERESTS

Web Development

Art

Basketball

Golf

Piano

Weight training

Tetris

Hacking

Cyber Security

## EDUCATION

### Honours Bachelor of Science in Computer Science

York University - Lassonde School of Engineering

09/2018 - Present

8.00 (3.8) GPA

Relevant Coursework

- Mobile Programming
- Fundamentals of Data Structures
- Introduction to Database Systems
- Building E-Commerce Systems
- Software Design
- Advanced Object-Oriented Programming
- Design and Analysis of Algorithms
- Introduction to 3D Computer Graphics
- Machine Learning and Pattern Recognition
- Big Data Systems

## WORK EXPERIENCE

### Software Developer Co-op

IBM

05/2020 - 08/2020

Toronto, Canada

Tasks

- Worked in an Agile and collaborative environment on the Cognos Analytics Mobile team
- Used React, React Native, MobX and Typescript to develop anything from front end UI components to back end API's for both the beta and GA releases of the mobile iOS app
- Implemented critical, time-sensitive security features, such as Jailbreak detection, based on feedback from a penetration test
- Created quality unit tests using Jest and Node Tap to ensure code correctness

## PERSONAL PROJECTS

### Fridge Sensor (10/2017 - 11/2017)

- Built a simple circuit using an LED light, a temperature sensor and an Adafruit Feather Mo Wifi
- Coding in C++ using Arduino, I made a program to detect and notify if the fridge has gone above or below the ideal temperature conditions
- If the temperature of the fridge is too warm, the LED light flashes; if it is too cold, it displays a solid light. Otherwise, the LED is off
- It can connect to Adafruit.io and display a graph that tracks the change in temperature every 2 seconds

## ACHIEVEMENTS

### Co-Captain of the Varsity Women's Basketball Team at York (09/2018 - Present)

Compete in the OUA and play 22 regular season games each year

### USPORTS Academic All-Canadian (3.6 GPA and up) (2016 - Present)

Received this award twice in first two years of school at UBCO from 2016-18 and at York for 2018-20

### Dean's List Honour Roll (04/2019 - Present)

Lassonde School of Engineering

### Provost's Award at UBC Okanagan (04/2018)

Given to Student-Athletes with a Top 5 Academic Average