

Emma Jonas

Software Developer

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



enjonas@hotmail.com



(604) 880-0802



Toronto, Canada



www.emmajonas.github.io



linkedin.com/in/emmajonas
10



github.com/emmajonas

SKILLS

Self-motivated, organized,
diligent, team leadership

Proficient with HTML, CSS,
JavaScript, React, React
Native, C, Shell Scripting,
SQL and Eiffel

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

8.04 (3.8) GPA

Relevant Coursework

- Mobile Programming
- Fundamentals of Data Structures
- Introduction to Database Systems
- Machine Learning and Pattern Recognition
- Advanced Object-Oriented Programming
- Design and Analysis of Algorithms
- Operating System Fundamentals
- Software Design

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
- Added VoiceOver support to enhance accessibility throughout the app
- 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

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 at UBCO from 2016-18 and twice at York for 2018-2020

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