

Emma Jonas

Software Developer

A dedicated and hard-working individual who is passionate about sports, creativity and technology

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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 (2017)

- Built a simple circuit using an LED light, a temperature sensor and an Adafruit Feather M0 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 connects to Adafruit.io and displays a graph that tracks the change in temperature every 2 seconds

EDUCATION

Honours Bachelor of Science in Computer Science

York University - Lassonde School of Engineering

09/2018 - 04/2022

8.04/9.0 GPA

Relevant Coursework

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

SKILLS

HTML, CSS, Javascript

React, React Native

Java, Eiffel and OOP

SQL

C, Shell Script

Mac and Linux OS

Microsoft Office

Adobe Creative Suite

Strong work ethic

Team leadership

Organized

Self-motivated

ACHIEVEMENTS

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

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

USPORTS Academic All-Canadian (2016 - Present)

Presented to varsity student-athletes who maintain a 7.5 GPA or higher during the academic year

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

VOLUNTEER EXPERIENCE

PAWS Mentor (09/2019 - Present)

Mentor for first-year student-athletes at York to help ease the transition from high school to university

Sport Council Representative (09/2019 - Present)

Help organize varsity sport initiatives and fundraising for charity

INTERESTS

Web Development

Cyber Security

Data Analytics

Tetris

Jeopardy

Art

Piano

Basketball

Golf

Weight Training