Emma Jonas

Software Developer

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Experience

Bolt   *Toronto, ON*
Software Engineer Intern   *May 2021 – Aug 2021*

IBM   *Toronto, ON*
Software Developer Intern   *May 2020 – Aug 2020*
o   Worked in an Agile and collaborative environment on the Cognos Analytics Mobile team
o   Used React Native, MobX and TypeScript to develop both front-end and back-end components for the GA release of the iOS app
o   Implemented a critical, time-sensitive security feature, Jailbreak detection, based on feedback from a penetration test
o   Added Voiceover support to enhance accessibility throughout the app
o   Created quality unit tests using Jest and Node Tap to ensure code correctness

Projects

CheckIn   *Feb 2021*
React Native, Node.js, Express.js, MongoDB
o   Aims to improve the mental health communication amongst the senior population in long-term care facilities
o   It provides a simple UI/UX for seniors of all abilities to easily log their daily feelings. Nurses can then ideally check on their patients' mental health trends, making it easier to decide how to best allocate their limited time
o   Made for the programming portion of the 2021 Lassonde Games and was awarded 2nd place out of 35 teams

Fridge Sensor   *Nov 2017*
C++, Arduino, Adafruit.io
o   Built a simple circuit using an LED light, a temperature sensor and an Adafruit Feather M0 Wi-Fi
o   Made a program to detect and notify if the fridge has gone above or below the ideal temperature conditions. If the temperature in the fridge is too warm, the LED light flashes; if it is too cold, the LED displays a solid light. It connects to Adafruit.io and displays a graph that tracks the change in temperature every 2 seconds

Education

York University – Lassonde School of Engineering   *Toronto, ON*
Honours Bachelor of Science in Computer Science   *Sep 2018 – May 2022*
GPA: 8.0 / 9.0

Volunteering

PAWS Mentor   *2019 – Present*
York University – Academic mentor for first-year student-athletes to help ease the transition from high school to university

Sport Council Representative   *2019 – Present*
York University – Take part in organizing various varsity sport initiatives and fundraisers for charity

Achievements

Captain of the York University Women's Basketball Team – *Play 22 regular season games each year*   *2018 – Present*
2nd Place in the 2021 Lassonde Games Tri-Hackathon – *Programming, Prototyping and Design*   *2021*
USPORTS Academic All-Canadian – *Awarded to varsity student-athletes who maintain a 7.5 GPA or higher*   *2018 – 2021*
Dean's List Honour Roll – *Lassonde School of Engineering, maintain an 8.0 GPA or higher*   *2018 – 2020*

Skills

Languages: Java, C, HTML, CSS, JavaScript, React, React Native, Shell Script, SQL, MATLAB, R
Technologies: Mac OS X, Linux/Unix, Git, Microsoft Office, Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro