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EDUCATION

Toronto, ON	**University of Toronto**	**2016 – 2020 (Expected)**

- Bachelor of Science expected 2020
- Majoring in Computer Science and Cognitive Science
- Coursework: Software Design, Data Structures, Databases, Operating Systems
- Dean's List 2017, 2018
- **GPA: 3.83**

WORK EXPERIENCE

Lab Programmer	**Duncan Lab**	**Summer 2018**

- Wrote a Python script to resample **data sets** for data analysis.
- Utilized the **pandas** software library to improve speed efficiency of scripts by 1000%.
- Wrote a Python script for Amazon's MTurk using **AWS**.

Mobile Device Developer	**CoCo Development Lab**	**Fall 2018-present**

- Developed a machine vision **Android app** that **recognizes objects** in real-time from camera input.
- Collaborated with lab members to divide work into front and back ends.

PROJECTS

Color Infinity!	**Swift with Xcode**

- Developed and **published an iOS game** to the App Store by implementing the **MVC** pattern.
- Incorporated **Google's AdMob** to monetize the app through banner and video ads.

Portfolio Website	**React.js, JavaScript, CSS, HTML**

- Built and **published** a portfolio website to showcase highlights and accomplishments.
- Coded custom components in JavaScript, utilized external React packages.

Image Tagger	**Java with JavaFX**

- Designed and developed an application with a **GUI** that organizes image files.
- Divided work among a **team** of four, with continuous communication among members.
- Integrated **version control** using git for collaboration.

Unique Prime Factorization	**C**

- Implemented an algorithm to find the unique prime factorization of large numbers for **Unix** systems.
- Utilized **forking** of processes and inter-process communication via **pipes**.

LANGUAGES AND TECHNOLOGIES

- **Java**, **Python**, and **C** (proficient).
- **Swift**, **Xcode**, and **Android Studio** (prior experience).
- **React.js**, **JavaScript**, **Bootstrap**, **HTML**, and **CSS** (prior experience).
- **Git**, especially with GitHub.
- **Bash**, **Racket**, and **Verilog** (some knowledge).