# CRYSTAL YIP

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## EDUCATION & SKILLS

Bachelor of Arts & Science (BSc), Major in Computer Science                    **2016 - 2021**
**University of Toronto**, *St. George Campus*
* Major GPA: 3.76/4.00

## WORK EXPERIENCE

**CGI Group Inc.,** Markham, ON                                                **2018 - 2019**
*Java Developer*
* Assist in developing test automation application written in Java deployed in Docker containers
* Using Jenkins and Kubernetes for code and container management
* Implemented a Java SoapUI interceptor to allow the modification of Soap XML request payload before WebService code is invoked

## TECHNICAL SKILLS

* Java
* C/C++
* Python
* Git

* Object Oriented Programming
* JavaScript, HTML, SQL
* Verilog, Assembly

## PROJECTS

**Discussion Forum,** Gift the Code 2017                                        **2017**
*Discussion forum implemented with JavaScript, HTML, CSS, Bootstrap*
* Developed the front end of a discussion board for the AutismOntario charity at Gift the Code 2017
* Backend in working progress to allow the discussion board to function for the AutismOntario community

**Photo Tagger**                                                               **2017 - present**
*A photo management program implemented with Java, JavaFX*
* Created tagging system that allows users to organize their photos using several Java OOP design principles

## VOLUNTEER EXPERIENCE

**City of Markham**, Markham, ON                                               **2015 - 2016**
*Program Instructor*
* Instructed various programs for young children and developed strong leadership and communication skills
* Collaborated with instructors to develop and execute action plan for camp program and fostered a productive team experience for both campers and instructors

**Spirit of Life Organization**                                               **2013 - 2016**
*Dragon Boat Team Member*
* Assisted the Spirit of Life team by supervising special needs youth on race day; ensured the safety of all participants