

Education

University of Toronto

Honours Bachelor of Science (H.B.Sc.), Computer Science Specialist | September 2020 – May 2025 (expected)

- **Relevant Courses:** Introduction to Information Security, Data Structures and Analysis, Algorithms Design and Analysis, Software Design, Software Tools and Systems Programming, Databases, Principles of Computer Networks

Experience

Programming Instructor

Ultimate Coders | June 2021 – Present

- Teaching Scratch, Python, and HTML-CSS to more than 10 students ranging from grade 1 to grade 10
- Ability to clearly explain topics in different ways to ensure that the students have a clear understand

Co-op Student

BrandEQ Group | July 2019 – August 2019

- Worked as a co-op student in the field of programming, specifically graphics designing and web designing
- Used software such as Canva, Pixlr, and Buffer to create social media content for the client(s)
- Designed a web application form for one of a client using HTML, CSS, and JavaScript

Skills

- Great problem solving, critical thinking, and analytical skills
- Ability to work individually and in a team, as well as able to lead a team in a given project
- Outstanding collaboration and communication skills

Programming Languages: Python, Java, C, JavaFX, HTML, CSS, JavaScript, C++ (Arduino Uno), SQL, R

Other Developer Tools:

- Git(GitHub), VS Code, PyCharm, VMware, Canva, Arduino
- **Operating Systems:** Kali Linux, Ubuntu Linux, Windows 11/10/8/7

Projects

Three Musketeers | Java, JavaFX, UML, Git, Eclipse

- Developed, as a team of 4, a version of the Three Musketeers game with customizable graphics, background music, and Player vs. Player and Player vs. Computer modes
- Created UML diagrams of design patterns used in the project and implement SOLID design principles
- Collaborated with the team in an agile environment and conducted weekly meetings to assign tasks and track the progress

Information Security Projects | Kali Linux, Tripwire, Wireshark, SQL Injection

- Worked with tools such as tripwire, traceroute, and nmap to detect and investigate system and network security breach
- Utilized VMware to setup and operate multiple virtual machines running Kali Linux, Ubuntu Linux, and RedHat Enterprise Linux 7.2, and used built-in tools such as John the Ripper, Wireshark, and Beef

MyShell | C, Git

- Programmed a personalized shell which uses a command-line interface(CLI) to replicate certain commands of the Linux shell
- Used C, a memory optimized language, to optimally manage input-output from the CLI, and memory allocation and deallocation using malloc and free methods