

## SELECTED SKILLS

**Languages:** Java, C/C++, Python, JavaScript, HTML, CSS

**Frameworks:** Django, jQuery

**Tools:** Git, Photoshop, WordPress

**Data Analytics & Database Management:** Python Web Scraping, PostgreSQL, MATLAB, SQL, Microsoft Access & Excel

## EDUCATION

**University of Toronto St. George**

*2018-2022 (expected)*

Computer Engineering | Bachelor of Applied Science

## KEY HIGHLIGHTS

- Facilitated TurnerHacks—the first hackathon at Turner Fenton Secondary School—and administered workshops to increase enthusiasm for technological innovation among youth
- Coordinated the first skype-call system for Education for a Nation, which connects Canadian high school students with less fortunate students in India to educate each other and provide mental support

## PROJECTS

### Process Improvement for reBOOT Canada

*Oct 2018 – Present*

- Redesigning information management for reBOOT Canada by creating the first relational management system
- PostgreSQL database and scripting in Django (Python) to perform analytics
- Cloud-based application to perform task automation for improving data integrity and donation tracking

### Piano Chord Detection Using Fourier Analysis

*Nov 2017 – Feb 2018*

- Self-directed research project to identify music notes of piano chords in a sample of music
- Self-taught university-level mathematics as a high school student
- Java and MATLAB program to simplify complex calculations of the Fourier Transform and implement sorting algorithms
- Python Mingus library used to assess frequency distribution and identify specific musical keys

### Augmented Workouts

*Winning Project at JAMHacks 2017 hackathon*

- Developed fitness gaming console to make wearisome exercise more enjoyable by immersing the user in a responsive 3D virtual environment
- Used C++ to generate pedometer functions and construct a calorie counter by interpreting gestures as exercise movements.

### BTOC Solutions

*Oct 2016 – March 2017*

- Proposed and initiated the first-ever database system to organize client payment information in order to reduce inefficient storage and cases of data loss
- Created from scratch and raw data using SQL, Microsoft Access & Excel
- Advanced features include an automatic email system, macros, report & form generation, and input error handling.

## LEADERSHIP EXPERIENCE

### Lead Workshop Coordinator for Major League Hacking at TurnerHacks in June 2018

- Directed volunteers to lead interactive workshops in Web and Android App Development for attendees of hackathon
- Major involvement in event planning and scheduling for 50+ guests

### Marketing & Communications Coordinator for Youth for Humanity

- Developed official website from scratch and created infographics through Photoshop
- Coordinated content writing, improved social media presence and managed contact forms

### Member of UofT WearTech (Wearable Technology club) Hardware and Software Design Teams

Controlling gesture input using Python programming, Arduino and various hardware