

EDUCATION

Toronto, ON	University of Toronto	2016 – 2020 (Expected)
<ul style="list-style-type: none">• Bachelor of Science expected 2020, GPA: 3.83• Computer Science Specialist (Focus in Artificial Intelligence)• Cognitive Science Major• Coursework: Software Design, Data Structures and Analysis, Introduction to Databases, Operating Systems, Software Tools and Systems Programming, Computer Organization, Theory of Computation, Probability, Calculus II, Linear Algebra, Statistics		

PROJECTS

Color Infinity!	Swift with Xcode
<ul style="list-style-type: none">• Developed and published a mobile game to the App Store by implementing the MVC pattern.• Designed the UI and all assets.• Incorporated Google's AdMob to monetize the app through banner and video ads.• Over 100 downloads and thousands of ad impressions accumulated.	
Eye-tracking Data Resampling	Python with NumPy and pandas
<ul style="list-style-type: none">• Built a Python script to resample data sets from eye-tracking experiments for data analysis.• Script ran computations and aggregated data according to user configuration.• Utilized the pandas software library to improve speed efficiency by 1000%.	
Portfolio Website	React.js, JavaScript, Bootstrap, CSS, HTML
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Designed and developed an application with a GUI that organizes image files according to custom tags.• Divided work among a team of four, with continuous communication among members.• Integrated version control using git for collaboration between team members.	
Unique Prime Factorization	C
<ul style="list-style-type: none">• Implemented an algorithm utilizing parallel processing to find the unique prime factorization of large numbers for Unix systems.• Utilized forking of processes and inter-process communication via pipes.	

WORK EXPERIENCE

Duncan Lab	Lab Programmer
<ul style="list-style-type: none">• Built a Python script to generate and publish Qualification MIT's for Amazon's MTurk using AWS.• Collaborated with other lab members to finish projects according to specifications by following deadlines.• Summer 2018	
Computational Cognitive Development Lab	Mobile Device Developer
<ul style="list-style-type: none">• Developed a machine vision Android app that recognizes objects in real-time from camera input for use in experiments.• Collaborated with lab members as well as a partner to divide work into front and back ends.• Fall 2018-current	

AWARDS

- **Entrance Scholarship** 2016
- **Dean's List** 2017, 2018

LANGUAGES AND TECHNOLOGIES

- Expertise in **Java**, **Python**, and **C**.
- Proficient in **Swift** and **Xcode**.
- Knowledge in **React.js**, **JavaScript**, **Bootstrap**, **HTML**, and **CSS**.
- Experience in **Git**, **Bash**, **Racket**, and **Verilog**.