

Education

Toronto, ON	University of Toronto, St. George Campus	September 2017 - Present
<ul style="list-style-type: none">Honours Bachelor of Science in Computer Science. Graduating May 2021.CS Courses GPA: 3.92/4.0, cGPA: 3.63/4.0, Dean's List Scholar.		

Employment

Software Engineer, Intern	Connected.io	Summer 2019, Toronto
<ul style="list-style-type: none">Developed an Augmented Reality prototyping tool for a major audio equipment manufacturer. Included an <u>Android</u> user app (Kotlin) and a Web control panel (React + Typescript).Architected and developed a build and deployment pipeline with <u>AWS</u> and <u>Go</u>.		
Software Engineer, Intern	Manulife Financial	Summer 2018, Toronto
<ul style="list-style-type: none">Built a <u>trans-compiler</u> for query languages in <u>Python</u>. Enabled smooth switchover from a legacy system.Developed full stack pivot table application, displayed up to 100 times more data than legacy Excel solution.Redesigned automation infrastructure. VM config and code quality + performance improvements.		

Research Positions

Research Student	University of Toronto, Computer Science	Summer 2019
<ul style="list-style-type: none">Developed a tool that speeds up software verification of C programs by finding and isolating segments of programs that can be proven separately, and performs verification concurrently.Performs control flow analysis and Abstract Syntax Tree manipulation, written in <u>OCaml</u>.		

Projects

Course Info - Browser Extension for University of Toronto courses	800+ Weekly Users
<ul style="list-style-type: none">Greatly improves course selection and browsing experience by adding dynamic content to websites.Javascript, Bootstrap, JQuery, Ajax, Firebase, REST APIs, Web Extensions	
T Map - Android Map App of University of Toronto campuses	1000+ Downloads
<ul style="list-style-type: none">Uses Google Maps API and various <u>Material UI</u> libraries for navigation, settings, and bottom sheets.	
Gitbox - Detailed stats and graphs for git repositories	http://gitbox.xyz
<ul style="list-style-type: none">Web application that provides detailed stats per contributor for a git repo hosted anywhere.<u>Node.js</u>, <u>Express</u>, <u>React.js</u>, <u>MongoDB</u>, <u>Material UI</u>. Custom parsers for git logs.	
Polyglot - Practice Vocab with Google Assistant	MLH Hackathon
<ul style="list-style-type: none">Best use of <u>Google Cloud Platform</u> winner.<u>Node.js</u>, <u>Firebase</u>, <u>Google App Engine</u> and multiple GCP APIs.	

Technical Skills

Development Software and OS	Languages
<ul style="list-style-type: none">Intellij Platform, Kibana, SumologicGit, Github, Bash, CI/CD, Docker, Maven, Linux	Javascript, Java, Python, OCaml, Go, C, Kotlin, SQL, Typescript, Verilog

Standards and Frameworks

Backend: Express + Node.js (Javascript), Mux (Go), Spring (Java), Flask (Python), MongoDB

Frontend: React.js, Bootstrap, JQuery, Material UI, Android (Kotlin/Java), ReactiveX (RxJs, RxJava)

Platform: AWS EC2, AWS S3, CI/CD, Jenkins, CircleCI, Pivotal CF, ELK Stack, Elasticsearch, Docker