



## Education

### BSc | Computer Science Major

Carleton University | Dec 2018

- Received Entrance Scholarship
- Exposure to extensive programming experiences, projects and languages

## Notable School Projects

### Depth to ls command C, Kernel

- Added depth augmentation to ls command of any UNIX OS to display file tree of the current directory
- Extension called with ls -M
- Specify depth using ls -M -depth=4

### NavU Android, Java

- Android app to help users navigate between classrooms at Carleton U
- Notified users of upcoming classes and guided them there from their current location

## Skills and Technologies

### Languages

Typescript  
React  
Redux  
React-Native  
Javascript  
Solidity  
Java  
Python  
C  
C++  
SQL

### Technologies

Node.js  
Firebase  
Git Version Control  
Visual Studio Code  
MongoDB  
Microsoft SQL Server

### Strengths

Hard-working  
Motivated  
Eager to learn  
Leadership  
Critical thinking  
Problem Solving  
Teamwork

## Experience

### Canada Revenue Agency | Web Applications Developer

May 2017 - September 2017

- Created and maintained new intranet web pages following accessibility guidelines
- Unit tested Java web apps using Struts 2

### Health Agency of Canada | Web Developer

May 2016 - April 2017

- Redesigned health related infographics into more user-friendly and accessible web pages for the general public
- Developed and maintained web pages in ASP.net

## Personal Projects

### Typ3 | Web3.js Typescript Replacement

Typescript, Solidity

- Qualified and participated in the ETHWaterloo Ethereum Hackathon where I worked in a team to develop a Typescript implementation of Web3.js
- Created a command line tool to convert a Smart Contract to a strongly typed file, to allow for type inferencing for easier Typescript development
- Created a tool to replace web3 for interacting with an Ethereum node via wrapped rpc-calls

### Clevermine | Cryptocurrency Mining Management Software

Typescript, C++, Node.js

- Worked as a team to develop a software which manages large mining farm
- Client-server application that would keep all devices online and mining as efficiently as possible
- Wrote a C++ wrapper for controlling overclocking, fan speed, voltage, etc. of NVIDIA graphics cards
- Wrapped both NVIDIA and AMD GPU controls to be utilized by Typescript code

### Ethereum Contract Dashboard

Typescript, Node.js

- Dashboard that displays updated information of an Ethereum contract address
- Alerts user if certain suspicious conditions have been met
- Plan to allow users running their own Ethereum node to enable sending a stop or kill transaction to a user created contract

### Placeth | Ethereum version of Reddit's r/place

Javascript, HTML, Solidity

- Qualified and participated in the ETHDenver Ethereum Hackathon
- Small scale version of Reddit.com's r/place, where subreddits would work together to create large images by individually coloring one small box per hour
- Worked in a team to develop an Ethereum contract and web app that allows users to color a tile of a large canvas by sending a transaction

### DiscoBot | Discord Bot

Typescript

- Collaborated to build a Discord bot that facilitates our Discord server's needs
- Primarily used for cryptocurrency price and info fetching via API calls
- Also used for scheduling events and providing notifications to users
- Hosted and running as a Heroku cloud based app