

# Johnson Su

## Computer Science

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Toronto, ON

## Education

### University of Toronto

Expected: Apr 2023 | UTSC

Computer Science Co-op

GPA: 3.35

## Skills

### Languages

C, Python, Swift, HTML, CSS, and Javascript

### Tools & API's

Node.js, Brain.js, Tensorflow, Google Firebase, Spotify API, Raspberry Pi, and Jetson Nano

### Design

Product Design, Adobe Illustrator, Photoshop, Figma, and Bootstrap

## Awards & achievements

MLH Best Use of Google Cloud

RU Hacks 2nd Overall

Hack the Northeast

Top 10 in machine learning

Top 10 viable startup ideas

Wolfram Alpha Award

Waterloo math content distinction [3 years]

## Experience

### Farmbot - Freelance

Jul 2019 - Present

- Working with Tensorflow and the Jetson Nano for machine learning based plant recognition
- Constructed several high level system diagrams for the open source community and assisted Farmbot's education initiative
- Audited Farmbot's web app for bugs improving product experience for thousands of users

### AMACSS - Director of External Affairs

Oct 2019 - Apr 2020

- Maintained contact with external organizations and individuals for several events hosted through the year
- Served as the point of contact for Silicon Valley organizations for the funding of a tricampus CTF (Hacking Capture the Flag) event

## Projects

### Vibe Check - Machine Learning

Data Powered Playlist Filter | 2020

- Created and trained a neural network with Brain.js that can accurately recognize playlist and song genres
- Developed the UI/UX design with Figma and converted it to HTML, CSS, and Javascript

### Planty - Product Design and Databases

Enviromental Chrome Extension | 2020

- Implemented the backend by integrating a Google Firebase Database and interpreting the web scraper data with Javascript
- Created the intuitive UI using Figma, HTML, CSS, and Javascript

### Farmily - Product Design and Databases

COVID-19 Food Waste Reducing Web App | 2020

- Worked with a Google Firebase Database to store user information and Google Maps API information
- Designed the user interface and converted it to code