

# Johnson Su

## Computer Science

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## Education

### University of Toronto

Expected: Apr 2023 | UTSC

Computer Science Co-op  
GPA: 3.35

#### Relevant coursework:

Data structures, algorithms, efficiency, abstraction, recursion, and software design

## 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

## Work Experience

### Farmbot - Freelance

Jul 2019 - Present

- Working with Tensorflow and the Jetson Nano for machine learning and robot automation for thousands of users
- 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 all current and potential customers

### 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 playlists and up to 8 song genres
- Developed the UI/UX with Figma and wrote it into HTML, CSS, and Javascript resulting in a design praised by hackathon judges

### Steg Hide - Data Structures and Computer Memory

C Program for Hiding Information in Images | 2020

- Created the program to handle multiple data structures for the support of over three different image formats for all users
- Implemented solutions to advanced technical challenges resulting in over 100 users and viewers within 3 days of being released

### 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
- Effectively worked with team members to solve software bugs resulting in a well polished extension that is still in use today