

Johnson Su

Software Engineer

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Education

University of Toronto

Expected: Apr 2023 | UTSC

Hons BSc Computer Science
cGPA: 3.73

Skills

Languages

C, Python, Java, HTML, CSS, and
Javascript

Tools

Git, Node.js, Flask, Tensorflow,
Google Firebase, Brain.js,
Raspberry Pi, and Jetson Nano

Design

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

Awards & Achievements

Hack Western
-Best Hardware Hack

RU Hacks
-Second Overall Best Hack
-Best Use of Google Cloud
-Wolfram Alpha Award

Hack the Northeast
-Top 10 in machine learning
-Top 10 viable startup ideas

Experience

Farmbot - Freelance

Machine Learning Development | Jul 2019 - Present

- Integrating object recognition into the FarmBot with Tensorflow, Pytorch on a Jetson Nano by using DetectNet for more automation
- Constructed high level system diagrams assisting Farmbot's education initiative and improving open source documentation
- Self initiated audits of the web app and proposed changes to improve site usability and bug fixes

MediPaint - Intern

Web Design and Development | Aug 2020 - Present

- Driving proposals and the redesign of the company website, getting approval from stakeholders and led online presence discussions
- Utilizing Elementor to create the website redesign improving user navigation, information architecture, and reducing bounce rates

Projects

Vibe Check - Machine Learning

Data Powered Playlist Filter | 2020 Hackathon

- Created and trained a neural network with Brain.js that can accurately recognize playlists for up to 8 music genres
- Conceptualized, designed, and implemented the complete site in under 2 days with Figma, HTML, CSS, and Javascript resulting in the final product winning recognition from hackathon judges

Steg Hide - Data Structures and Computer Memory

C Program for Hiding Text in Images | 2020 Personal

- Conceptualized and coded a program for concealing ebook text in images to help areas of the world which censors knowledge
- Implemented solutions to advanced technical challenges resulting in over 100 users and viewers within 3 days of being released

Planty - Product Design and Databases

Environmental Chrome Extension | 2020 Hackathon

- Implemented the backend by integrating a Google Firebase Database and interpreting the web scraper data with Javascript
- Led, strategized, and drove communications with the team under tight timelines and pushed for polish through debugging and testing, developing a holistic product experience