Savan **Malhotra**

MATHEMATICS STUDENT | UNIVERSITY OF WATERLOO

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Skills

Languages Python, SQL, C, C++, JavaScript, Swift, Java, Kotlin, PHP
Technologies React, Node.js, Arduino, Raspberry Pi, Algolia, Twilio, SendGrid, Azure Bot Service, Git

Education

University of Waterloo
Waterloo, ON
CANDIDATE FOR BACHELOR'S OF MATHEMATICS
Sep 2020 - Present

- Major in Combinatorics And Optimization, Statistics. Minor in Economics
- Activities and Societies: UW Data Science Club, UW Economics Society, UW Ent Soc, UW Coffee 'N Code Club

Experience

Notify | notifyapp.ca
Toronto, ON
FOUNDER AND CEO
June. 2017 - Present

- Built a **mobile queue management** service for appointment based businesses looking to improve their customer experience and overall workflow without breaking the bank.
- Published **iOS** and **Android apps** built using **Swift** and **Java/Kotlin** respectively.
- Using **React** and **Node.js**, I developed a **web dashboard** to allow businesses to manage their queue.

Canadian Youth Nutritional Education Association | cynea.org
Pickering, ON
CHIEF TECHNOLOGY OFFICER
Sep. 2019 - Present

- Tasked to lead a team of **25+** in charge of the **development and implementation** of the CYNEA TrackMe system, integrated across **Android**, **iOS**, **Amazon Alexa** and **Google Assistant** platforms.

SOLUM | joinsolum.com
Remote
VP OF TECHNOLOGY
May. 2020 - Sep. 2020

- Developed and published an **interactive web dashboard** to connect student volunteers to long term care residents using **VoIP**.
- Built using **React**, **Node.js** and the **Zoom Web SDK**.

SM Consulting
Toronto, ON
FREELANCE WEB DEVELOPER
Sep. 2015 - June. 2017

- Consulted and built websites for **5+** clients while providing input on operational improvements.
- Learned the basics of **database structure** and how **back-end** servers interface with the **front-end** while using **PHP**, **SQL**, **JavaScript**, **HTML**, **CSS**, **SendGrid** and **Twilio**.

Projects

Valeo | Top 15/115
HackAgainstCovid
HTTPS://GITHUB.COM/HAC-2020/LOO41
Aug. 2020

- A web application that provides **tailored suggestions** to small businesses, who have been affected by the **COVID-19 pandemic**, to efficiently further their market outreach and overall growth.
- Used **MongoDB**, **Express**, **React**, **Node.js**, **Azure Bot Service**

Autonomous Robotics
Skills Ontario Robotics
ARDUINO, RASPBERRY PI, C, SWIFT, PYTHON, TENSORFLOW
Sep 2018 - May 2020

- Interfaced an **iOS app** with a **Raspberry Pi** to control the direction of an **autonomous robot**.
- Used **TensorFlow** on an **iOS app** to detect objects, **controlling motors** connected to the **Raspberry Pi** using an **MQTT network**.

PHS Network Portal
JAVASCRIPT, HTML, CSS, FIREBASE

- Built a **content management system** for my school's newspaper to **create**, **edit** and **publish articles** directly to our website.
- Used **JavaScript**, **HTML** and **CSS** for the front-end UI, while utilizing **Google Firebase's** authentication and Realtime database features.

DRIVEN BY A PASSION FOR TECHNOLOGY AND FINANCE