

## SKILLS

**LANGUAGES:** Python, Javascript, Visual Basic/VBA, C/C++, HTML/CSS, Swift

**TOOLS:** NodeJS (Express), React, Django, Git, SQLite, Arduino, Raspberry Pi

**CREATIVE TECHNOLOGIES:** Adobe Photoshop/Premiere Pro/After Effects, Celta, FL Studio

## EXPERIENCE

### CISCO · Technical Engineering Intern Toronto, ON

May 2018 - Aug. 2018

- Worked on GoBox website and Brain API, created rate sheet functions in Python (Django) to manipulate SQLite database using Excel sheets.
- Performed load-testing for GoBox website, 'Brain API' by scripting with Python using the Locust framework.
- Created a new website online contract system using Wix, Javascript, Eversign and Sendgrid APIs.

## PROJECTS

### 'DJ KHALED' SUPERCHATBOT

May 2018 - July 2018

- Utilized 20+ APIs to maximize chatbot creativity and functionality (such as Cisco WebEx API, Edamam Food, Alpha Vantage Stocks, LCBO, Imgur, APIMedic, TTC), using Javascript.
- Securely generated time sheets based off of date and user using Python (openpyxl/WebEx Teams API)
- Chatbot is fully functional through WebEx Teams, Messenger, Slack, Twitter, Hangouts, Skype.

### VERTALIGN (ALPHAALERTER)

March 2018

- Used two Arduinos to create a sensor system that monitors a user's back posture ('worn' by the user). Arduinos manage input from tilt switches and photoresistor to check on user's back posture, and sends a audio notification if it is 'bad'.
- Also created a MacOS (XCode) and a Windows (Visual Studio) application that the user can set time and messages for customization timed pop-up notifications.

### VIRTUAL AGENDA APPLICATION

March 2017 - May 2017

- Led a team of 3 to create a Windows application for our high school's unique self-directed system in a software engineering project; used SDLC and Gantt Charts for project management.
- Designed intuitive user interface on Visual Studio. Utilized a simple database of files to keep track of teacher floor times, test authorizations, and unit tracker accurately for each unique student/user.

## EDUCATION

### University of Waterloo

BCS Computer Science, Bioinformatics Option 2022

GPA: 3.8