

STANLEY WONG

2A COMPUTER SCIENCE

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SKILLS

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

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

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

EXPERIENCE

CISCO SYSTEMS · Technical Engineering Intern Toronto, ON

May 2018 - Aug. 2018

Worked with two startup companies in the Cisco Womens' Entrepreneur Circle to accelerate their digital strategies.

- Collaborated with the development team on the backend of shipping website and logistics API using Django and openpyxl to automate shipping/rate data on SQLite database; reduced rate sheet input time by over 50%.
- Thoroughly load-tested website and API by creating custom Python scripts using Locust Framework; analyzed and reported API latency issues to increase client flow.
- Responsible for automating physical contract signing system by creating a responsive website using vanilla JavaScript, Eversign and Sendgrid API.

PROJECTS

CLASH ROYALE USER ANALYTICS

Sept. 2018

- A web app which gives a Clash Royale player generated statistics of their profile and clan, and can share or export randomized/pre-built decks.
- Backend created with NodeJS (Express) and Python; responsive CSS used for frontend.
- Used Scikit-Learn to generate predictions for the user such as short and long term trophy count, and user's next 3 crown victory.

'DJ KHALED' SUPERCHATBOT

June 2018

- A 'jack of all trades' chatbot developed with NodeJS that helps the user retrieve relevant information.
- Utilized 20+ APIs (Cisco WebEx API, Imgur, Giphy, Edamam Food, Alpha Vantage Stocks, LCBO, APIMedic, TTC, etc), to maximize chatbot functionality and data manipulation using Javascript.
- Securely generated employee timesheets using ReportLab and Cisco WebEx Teams API.

VERTALIGN (ALPHAALERTER)

Apr. 2018

- Used two Arduinos to create a sensor system that monitors a user's back posture (worn by the user); audio notification will be sent when the input calculated shows 'bad posture'.
- Created a MacOS and a Windows application with Swift and VB that can be set for fully customizable timed posture reminder push notifications.

VIRTUAL AGENDA APPLICATION

Mar. 2017 - May 2017

- Led a team of three to create a Windows application for high school's unique self-directed system in a software engineering project; used SDLC and Gantt Charts for project management.
- Designed user interface on Visual Studio; managed a 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

2017 - 2022

BCS Computer Science, Bioinformatics Option

Cumulative GPA: 3.8/4 | Dean's Honour List