TALON JIN

talonjin.github.io | t35jin@uwaterloo.ca | +1(647)-639-5046

Summary

Skilled at functional and object oriented programming, with focus on full stack development.

Skills

Languages:
- JS (ES6)
- Python
- C / C++
- Java
- Scheme
- HTML
- CSS

Tools:
- React
- React Native
- Flow
- Flux
- Git
- Unix / Bash
- Tkinter

Hackathons

DeltaHacks V, 2019
McMaster University

StarterHacks, 2019
University of Waterloo

Awards

President's Scholarship of Distinction,
University of Waterloo

Canadian Computing Competition,
Top 10% Senior level, 2018

Education

University of Waterloo
Honors Computer Science

Interests

- Swimming, Basketball, Table-tennis, Photography, Traveling

Projects

OCR Word Search Solver | *Python* *Jan 2019*
- Integrated Tesseract Optical Character Recognition to identify scrambled words in a word search
- Incorporated standard Python GUI Tkinter to return the result of all words found from a word bank

Cryptography Web App | *React, JS, CSS* *May 2018*
- Designed cryptography web app that educates user how plaintext turns into cipher-text highlighting Substitution and Vigenère cipher
- Employed functional techniques using React

Words / Min Web App | *React, JS, CSS* *Feb 2018*
- Developed simple words per minute application that provides users to test their typing speed
- Project utilizes similar components and structure to Cryptography Web App, demonstrating effective code reuse by using React components

Web Dev - UofT DEEP Camp | *React, JS, CSS* *Aug 2017*
- Implemented Google's Material UI components to web pages using Facebook React library
- Utilized reusable components to user interfaces

Arcade LoL - Digital Media Academy | *Python* *Aug 2016*
- Programmed League of Legends mini arcade game with player movement using Pygame
- Integrated user input for keyboard and mouse controls

Autonomous Vehicles - UofT DEEP Camp | *Python* *Aug 2015*
- Programmed autonomous vehicles to detect and avoid obstacles based on sensor data in real time using Python and LEGO Mindstorms
- Deployed program onto LEGO Mindstorms vehicle

Work Experience

Chancellor Community Centre | *Swim Instructor* Jan-Apr 2017
- Taught children of various levels including impaired swimmers the fundamental techniques of swimming and floating
- Integrated water safety lessons and games
- Communicated with parents regarding the swimmers strengths and areas of improvement