

TALON JIN

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Summary

Skilled at functional and object oriented programming, with focus on front end 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

Feb 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

May 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