JEFFREY NG

Candidate for B.ASc in Systems Design Engineering
University of Waterloo

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Technical Skills

Languages:

Java
C++
HTML/CSS
JavaScript
Python

Frameworks & Tools:

Git
Bootstrap
Sass
React/Redux
Docker
JIRA

Achievements

First Place

InspireHacks2017 MLH Localhost Hackday

Best Overall Solution

University of Toronto High School Design Competition

International First Place

DECA Buying and Merchandising Operations Research Event

Interests

Competitive Swimming
Badminton
History

Work Experience

Front End Developer | Ontario Institute for Cancer Research | Jan-Apr 2019

- Implemented **React** components using **JavaScript ES6** and **JSX** syntax to access data from the **Redux** store and render dynamically
- Designed and themed aesthetically pleasing and user friendly websites on 10+ projects while ensuring modular and maintainable **Sass/CSS** code
- Created responsive **Bootstrap** static templates with **HTML** and **Liquid** syntax on the Jekyll static site generator to create quick, secure static websites
- Implemented Docker to create local environments and Git for version control

Advertising Account Intern | DV8 Communication | Jul-Aug 2017

- Analysed and utilized demographic data of populations within the various regions of the Greater Toronto Area to determine specific target audiences
- Collaborated with the Account Strategist to brainstorm ethnic advertising solutions for 5+ clients including Mitsubishi and FreshCo
- Designed visually appealing graphics illustrating crucial demographic data on PowerPoint presentations to promote solutions for potential clients

Projects

Digimunne

- Created a user-centric web application utilizing the **Django** framework with a **Python** backend and a frontend built with **HTML**, **CSS**, and **JavaScript**.
- Allowed users to store patient data on an SQL database to allow medical professionals to digitally access medical records, reducing needless paperwork

Physics Simulator Learner

- Developed a modular **Java** GUI application consisting of **Object Oriented Programming**, Inheritance, and Polymorphic Principles
- Utilized user-friendly simulations explaining difficult fundamental physics principles to help students understand through interactive tutorials geared towards helping students learn

FoodEye

- Designed using **HTML**, **CSS**, **NodeJS**, **ExpressJS**, and IBM Watson Visual Recognition API for Hack The North 2018
- Allowed users to capture images from a webcam which then queries the Watson API and displays the returned name of the food item to a web page