

# JEFFREY NG

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

(647) 771-8718  
jc4ng@uwaterloo.ca  
[jeffrey-ng.me](http://jeffrey-ng.me)  
[Jeffrey-ch-Ng](mailto:Jeffrey-ch-Ng)  
[www.linkedin.com/in/jeffrey-ng-022](https://www.linkedin.com/in/jeffrey-ng-022)



## Technical Skills

### Languages:

Java  
C++  
HTML/CSS  
JavaScript  
Python  
Liquid

### Frameworks & Tools:

Git  
Bootstrap  
Sass  
React/Redux  
Docker  
JIRA

## Achievements

### First Place

InspireHacks2017 MLH  
Localhost Hackday

### Best Overall Solution

University of Toronto  
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