

# Aaron Persaud

<http://aaronpersaud.com>  
a4persau@uwaterloo.ca | 647-982-0692

## SKILLS

### PROGRAMMING

Experience:

Python • JavaScript • C/C++ • Bash

Tools/Frameworks:

Git • Linux/Unix • AngularJS • Node.js  
jQuery • Django • MySQL • Bootstrap

## CONTACT

Github:// [AaronPersaud](#)  
LinkedIn:// [aaronpersaud](#)

## EDUCATION

### UNIVERSITY OF WATERLOO

#### BACHELOR OF MATHEMATICS

Minor: Computer Science

Expected April 2018 | Waterloo, ON

## RELEVANT COURSES

Data Types and Structures

Networks and Distributed Systems

Applied Cryptography

Object Oriented Software Development

## INTERESTS

### CS INTERESTS

Cryptography

Algorithms

Graph Theory

Machine Learning

### OTHER INTERESTS

Table Tennis

Weightlifting

NBA

Batman

Data Science Club

## EXPERIENCE

### ACERTA | WEB DEVELOPER

May 2016 - August 2016 | Waterloo, ON

- Developed a dashboard in **AngularJS** that monitors cars during their manufacturing process and performance on the road
- Created elegant charts using charting frameworks such as **D3.js**, **C3.js** and **MetricsGraphics.js**
- Ported multiple components of the dashboard to **TypeScript**
- Wrote scripts to aid in the installation of the company's **Docker** containers
- Modified the design of the company's website

### UNIVERSITY OF WATERLOO | PYTHON/DJANGO DEVELOPER

September 2015 - December 2015 | Waterloo, ON

- Implemented form template creation in **Django** with the ability for users to customize the templates with **HTML**
- Form goes through multiple workflows controlled by different groups and has the ability to return to previous stages
- Backend implemented in Django and frontend in HTML/CSS, **Bootstrap**, **JavaScript**, **jQuery** and **AJAX**
- Forms can be modified, saved, deleted and are also **CSV exportable**

## PROJECTS

### ROBOTUTOR | WEB APPLICATION

<http://robotutor.me>

- Web study tool that helps students memorize questions/answers categorized by topic
- Uses a forgetting curve algorithm and questions are asked in time to optimize information retention
- Built using Node.js, AngularJS, MySQL and Python

### HACKTOGETHER | WEB PLATFORM

<http://devpost.com/software/hacktogether-teydbf>

- Web platform that allows developers to find effective, like-minded teams during hackathons
- Ability to search for users by specific skill and allows users to showcase their completed projects
- Created using Node.js, MongoDB and AngularJS

### BUCKETS | WEB APPLICATION

<https://github.com/matthewkoolen/Buckets>

- Web application that groups nearby users who want to play pickup basketball and creates teams according to skill level
- Uses a clustering algorithm and the Google Geolocations API to group players and scrapes the web to find the nearest court
- Written in Python, Node.js, JavaScript and jQuery