

Aaron Persaud

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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