Aaron Persaud

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SKILLS

PROGRAMMING

Experience:
Python • JavaScript • C/C++ • Bash
Tools/Frameworks:
Git • Linux/Unix • AngularJS • Node.js
jQuery • MongoDB • Django • Docker
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
Object-Oriented Software Development
Numerical Computation
Applied Cryptography

INTERESTS

CS INTERESTS

Cryptography
Algorithms
Graph Theory
Machine Learning

OTHER INTERESTS

Table Tennis
Weightlifting
NBA
Batman
Data Science Club

EXPERIENCE

MAPPEDIN INC. | Software Developer

January 2017 - Present | Kitchener, ON
- Working on the Content Management System for the MappedIn Platform
- Using technologies such as **React.js**, **Redux**, Leaflet, three.js and lodash

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

PICME | Mobile Application

https://github.com/Abdulwahaab710/picme
- Platform for hosting competitions where photos are placed head-to-head and everyone votes for a winner
- Randomized retrieval of two submissions at a time allows for unbiased voting
- Backend is written in Node.js with a MongoDB server and React Native for the client side to appeal to both iOS and Android users

HACKTOGETHER | Web Platform

http://devpost.com/software/hacktogether-teybdf
- 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