

Aaron Persaud

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SKILLS

PROGRAMMING

Experience:

Python • JavaScript • C/C++ • Java

Tools/Frameworks:

Git • Linux/Unix • AngularJS • Node.js

jQuery • MongoDB • Django • Docker

MySQL • Bootstrap • AWS • Bash

CONTACT

Github: [AaronPersaud](#)

LinkedIn: [aaronpersaud](#)

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF MATHEMATICS

Minor: Computer Science

June 2019 | Waterloo, ON

RELEVANT COURSES

Data Types and Structures

Networks and Distributed Systems

Object-Oriented Software Development

Databases

Numerical Computation

Applied Cryptography

INTERESTS

CS INTERESTS

Algorithms

Graph Theory

Machine Learning

Cryptography

OTHER INTERESTS

Table Tennis

Weightlifting

Board Games

NBA

Data Science Club

EXPERIENCE

SPIN INK SCREEN PRINTING | WEB DEVELOPER/ WEB DESIGNER

September 2020 - Present | Etobicoke, ON

- Created e-commerce websites for selling customizable and predecorated face masks ([maskproducer.ca](#) and [spininkmasks.com](#))
- Using a third-party e-commerce platform called **Inksoft**
- Currently remaking the company's main site ([spinink.ca](#))

AMAZON | SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2017 - July 2017 | Seattle, WA

- Created a **Python** script that consumes customer API call logs from the [Elastic Load Balancer API](#) and indexes them by user ID and stores them in **S3**
- Wrote a web service in **Java** that queries the S3 Bucket given a User's Account ID and a time range, which in turn displays the user's call patterns and how many of their calls were **throttled**

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

<https://github.com/AaronPersaud/RoboTutor>

- 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