Aaron Persaud

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SKILLS

PROGRAMMING

Experience:
Python • JavaScript • C/C++ • Java
Tools/Frameworks:
Node.js • Git • Linux/Unix • AngularJS
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
Long Distance Running

EXPERIENCE

VARICENT | ASSOCIATE SOFTWARE DEVELOPER

August 2021 - Present | Toronto, ON

- Implemented a feature that allows clients to upload and import employee data as CSV/Excel from ICM to Symon.ai using **React.js**
- Added feature that efficiently logs and retrieves import data to track total added/updated records to help customers assess any overage in **C#**
- Refactored components in the Inquiry Workflow module to meet the company's new design standard
- Fixed issues on Varicent's **Incentive Compensation Management** application
- Wrote automation tests using **Cypress** , a JavaScript CI/CD framework

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 CO-OP

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** and **C3.js**
- Ported multiple components of the dashboard to **TypeScript**
- Wrote scripts to aid in the installation of the company's **Docker** containers

UNIVERSITY OF WATERLOO | PYTHON/DJANGO DEVELOPER CO-OP

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 built using Node.js, AngularJS and MySQL
- Uses a forgetting curve algorithm and questions are asked in time to optimize information retention written in 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