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Joshua Mazariegos

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LANGUAGES & FRAMEWORKS

Python

C

Java

HTML

Javascript

GIT

MongoDB

mySQL

Spring Boot

SKILLS

Experienced in Object Oriented Programming

Experienced in Sprint and Agile methods

Experienced in MVC, Design Patterns, and Regex

Experienced in database implementations

Experienced in working in a team and individually

Proficient in math, calculus, and linear algebra

AWARDS

1st Place in CyberSCI-Toronto Security Challenge, January 2019

EDUCATION

University of Toronto

HBSc, Computer Science & Information Security w/ Math Minor

September 2016 - April 2020

EXPERIENCE

Tata Consultancy Services

QA Analyst

April 2021 - PRESENT

Coordinated with a team, and was a task coordinator for my team including leading, assigning tests, and creating test cases.

Trained and helped new team members who joined the team on call and hands on.

Tested and created tests for software products and bugs within a timeline and coordinated with team members to complete tests.

Created test documents and emails based on test result analysis..

PROJECTS

Self Driving Remote Car

Pytorch, Tensorflow, Python, Jupyter Notebook, ROS, Flask, DASH

Worked with classmates to make a remote car be able to drive through our school hallways on their own.

Created a PID Controller using the liDAR on the car so it would be able to follow walls at a certain distance.

Collected photos and respective speed / angle using a camera while we controlled it to make the training data and test data which would then be trained in pytorch using a Nvidia Network.

Used a Flask/DASH server to record the car's angles as it drives to see live how it's driving for any outlier outputs.

Student Helper Webapp

HTML, CSS, Javascript, mongoDB, Spring Boot, Java, Python

Created a webpage with classmates for the timetable and course search using HTML, CSS, and Javascript

Created RESTful API endpoints for getting and posting data from our database in JSON format, then having the data interpreted used for enrolling, searching, generating, and maintaining the timetable

Uses scraped data for the endpoints which are implemented using mongoDB and Spring Boot