Joshua Mazariegos

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SKILLS

Experienced in **Object Oriented Programming**, **MVC**, and **Design Patterns**

Experienced in implementing **Sprint** and **Agile** methods

Experienced in database implementation using **Spring Boot, Java,** and **MongoDB**

Experienced in **Quality Assurance** and working with business teams to provide detailed project information and meet deadlines

EXPERIENCE

Tata Consultancy Services / CIBC

QA Analyst April 2021 - PRESENT

Coordinated with a team to **create tests, test documents**, and using **HP ALM** to track all testing related documents and defects.

Lead projects as a **QA Lead** for multiple projects organizing all testing, leading offshore team, and meetings with software and business teams.

Trained and taught new employees on testing software and document creation, and **created knowledge documents** for new hires.

Tested multiple bank and mortgage software application flows using **SQL queries** to ensure the correct information is flowing.

Coordinated with business and software teams to ensure projects get completed on time and correctly.

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, jQuery, 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 using **jQuery**.

Created a **data scraper with Python** to scrape from a university timetable website then convert the courses to JSON format to send to the **MongoDB database**.

Used jQuery to push data of saved course timetables created by users to the MongoDB database so then it could later be loaded.

LANGUAGES & FRAMEWORKS

Python, Java, HTML, CSS, Javascript, GIT, React.js

Python / MongoDB, Java / Spring Boot / MongoDB, HTML / CSS / Javascript

EDUCATION

University of Toronto

HBSc, Computer Science & Information Security w/ Math Minor September 2016 - April 2020

AWARDS

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