

# Joshua Mazariegos

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## SKILLS

Experienced in **Object Oriented Programming**

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 applications and worked with credit unions.

**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

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

## EDUCATION

### University of Toronto

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

## AWARDS

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