Sultan Emaish

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Summary

Languages: C/C++, Java, JavaScript, Python, HTML/CSS, Assembly
Tech: React, Node, Git, MongoDB, jQuery, OpenCV, Robot

Experience

Liteboard.io *May - Aug 2020*
Frontend Developer

- Designed and developed the front end UI for an online lecturing application, allowing users to create and participate in online classes
- Created the stats algorithm that generates an overview graph of the lecture's average watchers
- Implemented the multi-board functionality allowing users to work and stream multiple whiteboards

Intersect *Sep - Dec 2019*
QA Developer

- Developed cross-platform test scripts using the Robot framework to automate **80%** of manual testing during regression reducing the testing time by **70%**
- Wrote and executed end-to-end test cases for both mobile and web applications
- Improved the usability of the test-devices manager bot by streamlining the user experience, which reduced the average wait time for devices

Method CRM *Jan - Apr 2019*
QA Developer

- Designed test scripts to automate daily regression using Java and Katalon Studios, saving more than **10** hours of manual testing during releases
- Implemented scheduled test runs utilizing Jenkins to perform daily regression which detected an average of **4** defects a week

Projects

YelpCamp

- Developed a RESTful web application that allows users to create and view geotagged campgrounds using Express.js, Node.js, and MongoDB
- Implemented user authentication for creating campgrounds and adding comments using Passport.js

BikeSafe Helmet

- Created a bike helmet leveraging the OpenCV library and the Haar Cascades machine learning classifier to detect cars on the road and warn users when they approached too closely
- Earned **1st** place prize at the U of T Engineers Without Borders competition and a **bronze** medal at the 2018 Toronto Science Fair

Sign Language Glove

- Built a glove that translated 30 sign language gestures to speech using Java and an Arduino
- Developed a classification algorithm to predict the output based on the input values of the glove's sensors
- Received a gold medal and the Best Senior Project prize at the 2017 Toronto Science Fair

Education

University of Waterloo Sept 2018 – May 2023
Computer Engineering, Honours Bachelor of Applied Science

- President's Scholarship of Distinction