Daniel Li

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EDUCATION

University of Waterloo (Waterloo, Ontario) *September 2019 – Present*
Honours Mathematics - Expected Graduation 2024 Major Average: 94.67

TECHNICAL SKILLS

Programming Languages C, C++, Python, Racket, Java, HTML/CSS
Frameworks React Native, TensorFlow, Keras, MatPlotLib, React.js
Software & Tools LaTeX, Git

PROJECTS

Flower Identification Android App *https://github.com/danielsqli/flower-id*

- Created an app in team of 2 that identfies flower species from a taken picture.
- Used TensorFlow and Keras to create a sequential model, and optimized it with help of visualisation using MatPlotLib.
- Developed app with React Native, implementing the model locally with TensorflowJS

Calendar and Scheduling Android App *https://github.com/danielsqli/casProject*

- Built an android app in Android Studio in team of 4 that schedules tasks and due dates.
- Built the infrastructure of the app with Java, communicating with teammates on which parts needed a framework.

RobotPy Simulator *https://github.com/danielsqli/robotics2018-2019*

- Built a simulator for FRC robotics using RobotPy, as well as building a base robot for testing and simulation purposes.
- Simulator was used by club to test potential autonomous paths.

EXTRA-CIRRICULAR ACTIVITES

Team 4001 Robotics *2015 – 2019*

- Lead Programmer of FRC Team 4001.
- Directed programming of robot, anddesigned teleoperated component, using Object-Oriented Programming in Java to compete against other teams.
- Competed in provincials.

St Robert CHS Coding Club Executive Member *2017 – 2019*

- Lead teaching initiatives as executive member in the club to teach competitive programming in python to club members.
- Prepared the club proficiently for competition in the CCC.

ACHIEVEMENTS AND AWARDS

Presidents Scholarship from University of Waterloo *$2000*
CEMC Euclid Math Contest 2019 *Certificate of Distinction*
Canadian Computing Contest 2019 *Certificate of Distinction*