Daniel Li

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EDUCATION

University of Waterloo (Waterloo, Ontario)   *September 2019 - Present*
2A Honours Mathematics - Expected Graudation 2024   CPGA 90.60, Major Average: 94.67

St. Robert Catholic High School (Markham, Ontario)   *September 2015 - June 2019*
International Baccalaureate Diploma   36/45 Grade
OSSD   93.8 Top 6 Average

PROJECTS

Flower Identification Android App (WIP)
Creating an app in team of 2 that identfies flower species from either a taken picture, or a picutre on file. Used TensorFlow and Keras to create a sequential model, and optimized it with help of visualisation using MatPlotLib. Programmed app with React Native, intending to deploy to android.

Calendar and Scheduling Android App
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
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-CIRRUCULAR ACTIVITES

Team 4001 Robotics   *2015-2019*
Lead Programmer of FRC Team 4001. Directed programming of robot, and programmed 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

TECHNICAL SKILLS

Programming Languages   C/C++, Python, Racket, Java
Frameworks   React Native, TensorFlow, Keras, MatPlotLib
Software & Tools   MS Office, LaTeX, Git

ACHIEVEMENTS AND AWARDS

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