

Daniel Li

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EDUCATION

University of Waterloo (Waterloo, Ontario)
2A Honours Mathematics - Expected Graduation 2024

September 2019 - Present
CGPA 90.60, Major Average: 94.67

PROJECTS

Flower Identification Android App (WIP)

- Creating an app in team of 2 that identifies flower species from either a taken picture, or a picture 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-CIRRICULAR ACTIVITIES

Team 4001 Robotics

2015-2019

- Lead Programmer of FRC Team 4001.
- Directed programming of robot, and designed 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

L^AT_EX, Git

ACHIEVEMENTS AND AWARDS

Presidents Scholarship from University of Waterloo

\$2000

CEMC Euclid Math Contest

Certificate of Distinction

Canadian Computing Contests

Certificate of Distinction