

# Daniel Li

<https://danielsqli.github.io>

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## EDUCATION

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

September 2019 – Present  
Major Average: 94.67

## TECHNICAL SKILLS

Programming Languages  
Frameworks  
Software & Tools

C, C++, Python, Racket, Java, HTML/CSS  
React Native, TensorFlow, Keras, Matplotlib, React.js  
L<sup>A</sup>T<sub>E</sub>X, Git

## PROJECTS

### Flower Identification Android App

<https://github.com/danielsqli/flower-id>

- Created an app in team of 2 that identifies 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 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.

## ACHIEVEMENTS AND AWARDS

Presidents Scholarship from University of Waterloo  
CEMC Euclid Math Contest  
Canadian Computing Contests

\$2000  
Certificate of Distinction  
Certificate of Distinction