

WATPark

Summary

WATPark is focused on alleviating parking issues on campus. Through a collaboration with Parking Services, WATPark is able to provide:

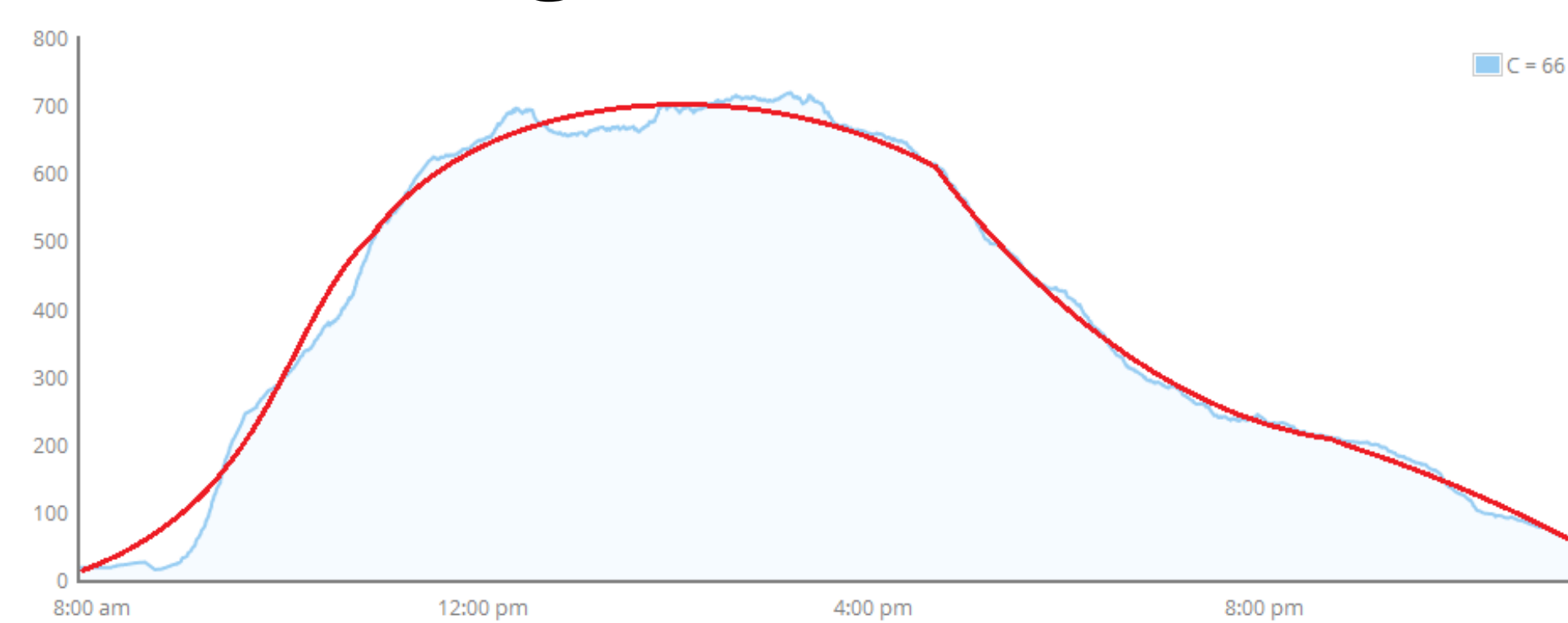
- Real-time count data from Lot C
- Predictions for future counts
- Count history for Lot C

This allows users to find available parking lots on campus.

API

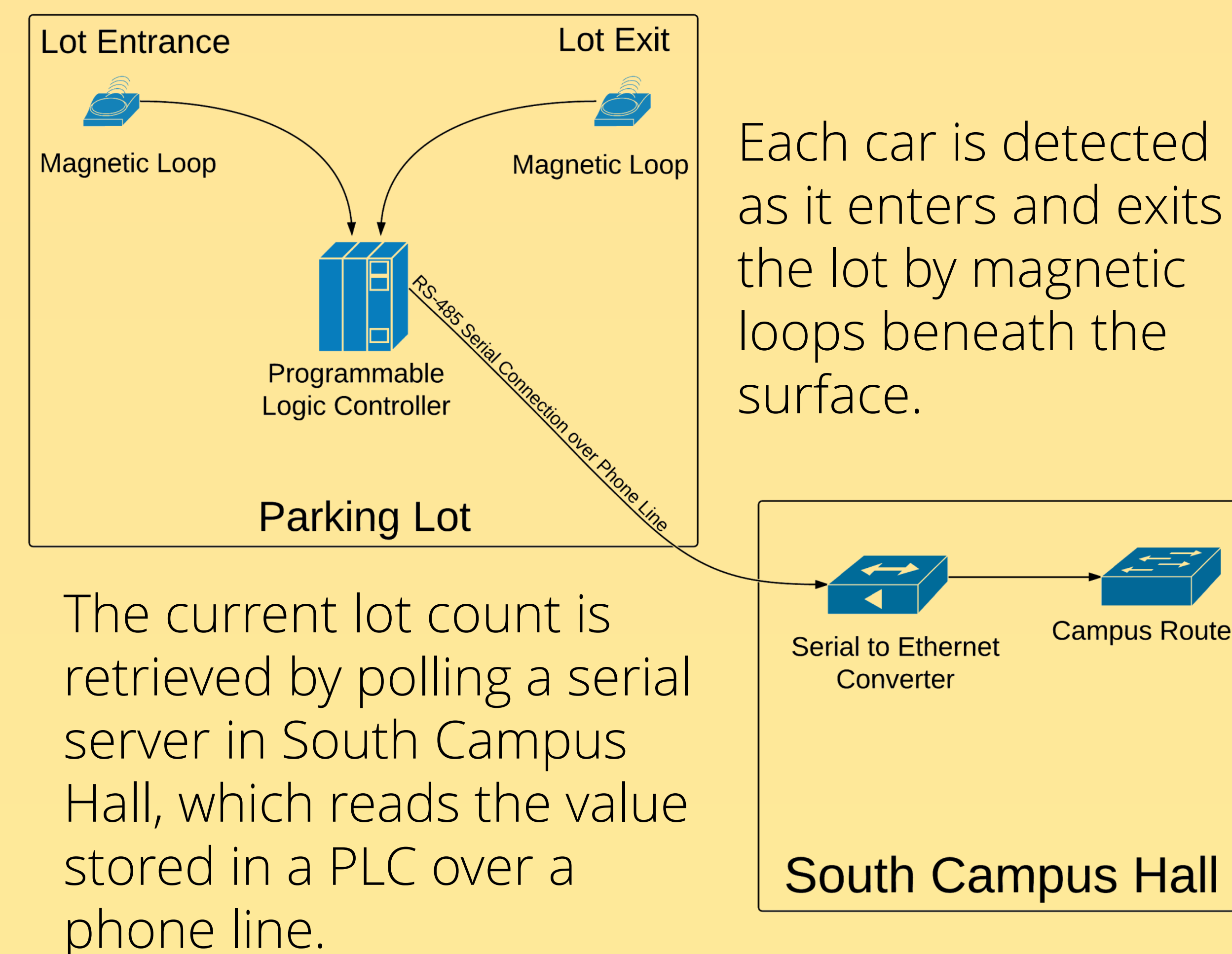
All of our data is accessible through a public API through a collaboration with the University of Waterloo Open Data Initiative. It can be accessed at <http://api.uwaterloo.ca>.

Predicting Counts



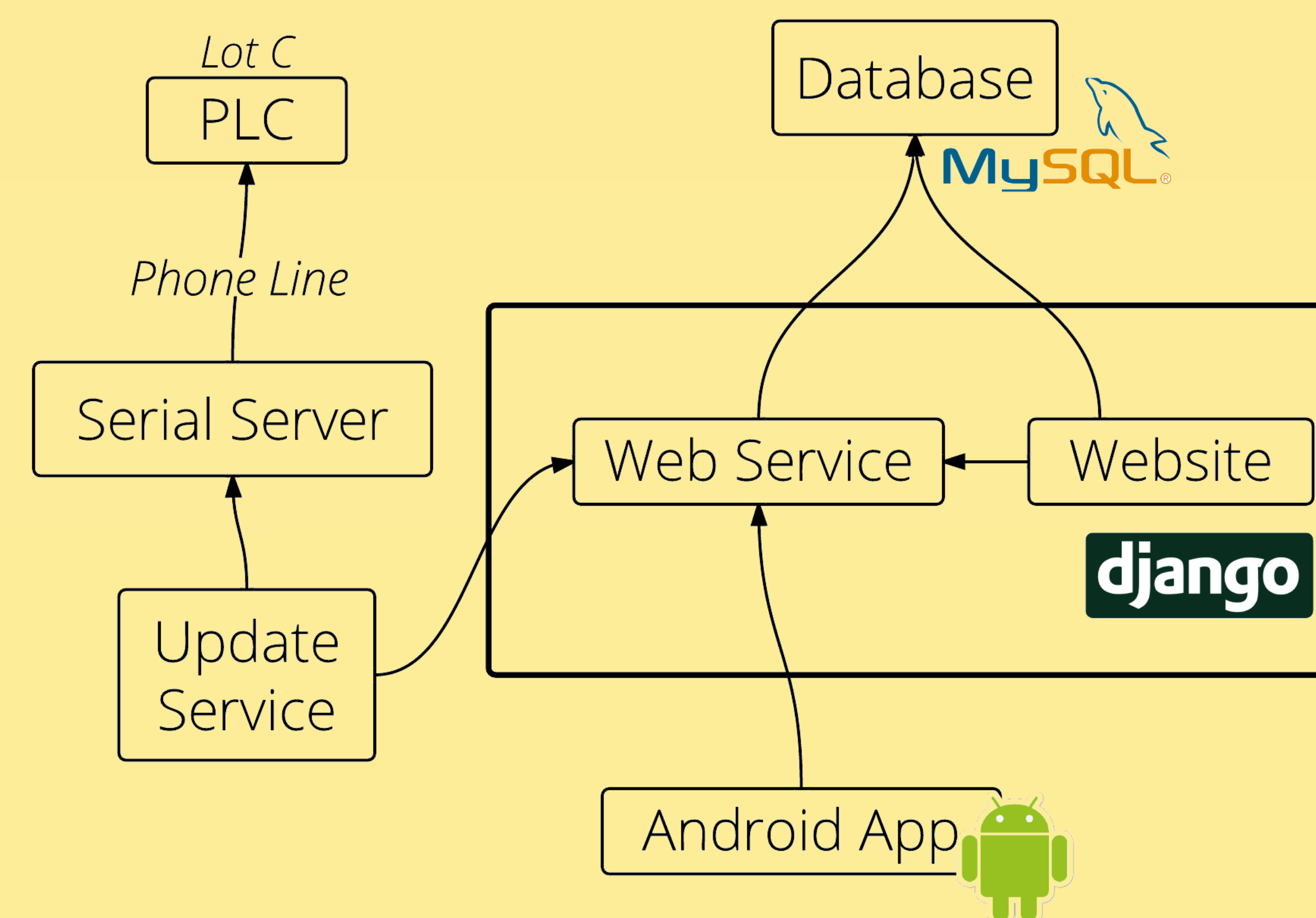
Leveraging machine learning techniques, WATPark can predict how full Lot C will be in the near future. These cross validated predictions allow users to better plan their upcoming trips to campus.

Lot Hardware

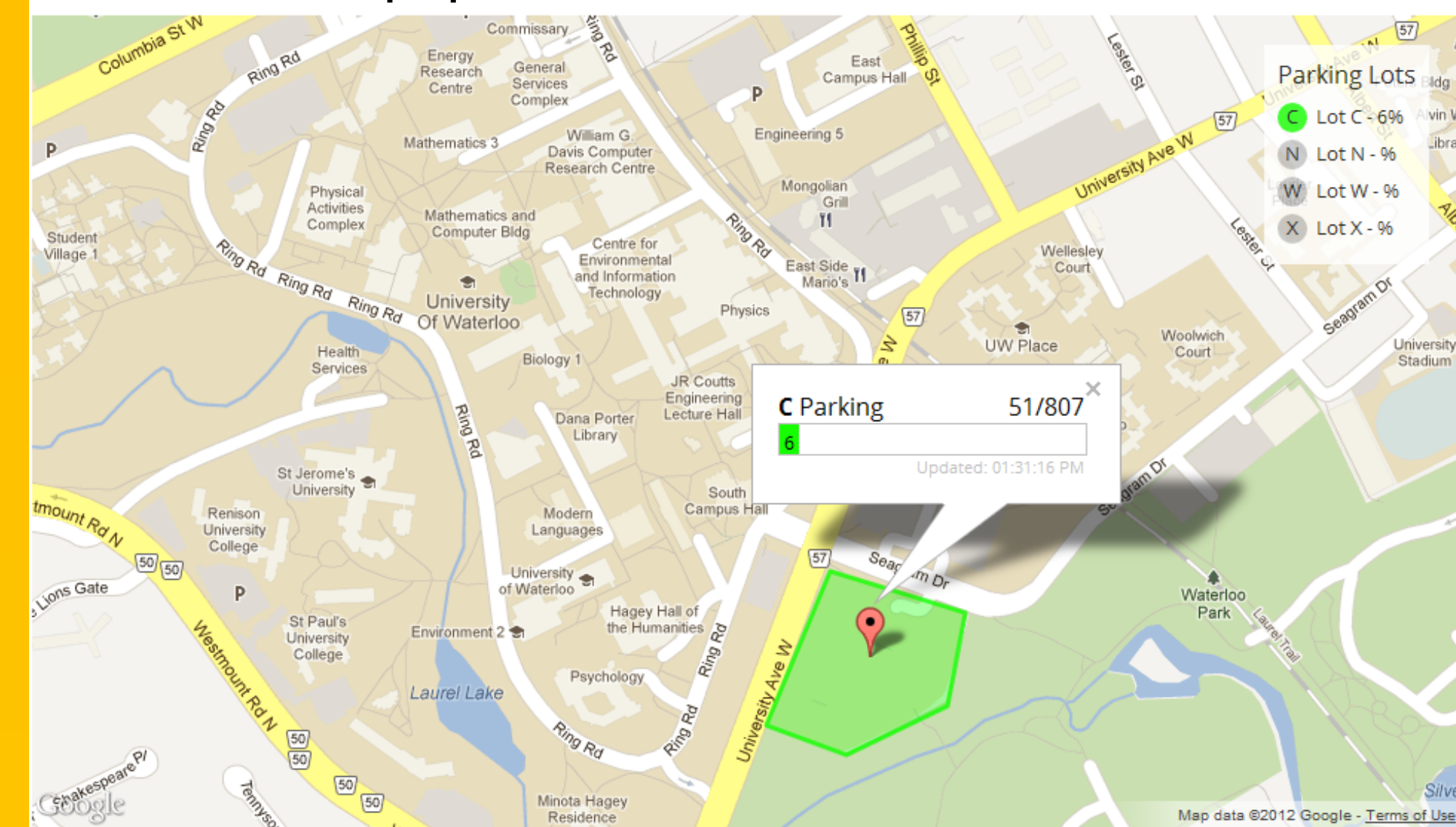


www.watpark.ca

Architecture



Web Application



django

MySQL

Android Application

Utilizing the Google Maps API and the AndroidPlot library, WATPark features an Android app built on top of the open API, giving users the ability to check the status of the lots from anywhere.



AVAILABLE ON
Google play



Team

WATPark
Tim Costa
Tom Joynt
Dan Malakieh
Eric Warsaba

Open Data Initiative
Giles Malet
UW Parking Services
Peter Briant