MinesPark

DAAM HACKATHON FALL ZOI9

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https://github.com/Ryanf55/mines_parking_hack

Problem

Problem



82

votes

Vote



votes Changing the expensive of commuter parking is for the comment of the comme

Q lot is now General Parking (but no new Commuter parking!)

Changing the Q lot to General Parking makes no sense unless the objective is to force more people to buy more

Mines Needs to Improve Commuter Parking

I know I'm not the only person to complain about parking at mines, but it is absolutely a joke. This morning I pulled into the A/AA parking lot with what I thought was plenty of time to find a spot and walk to class. However, I circled the entire lot with several cars behind me and I could not find a single spot. I drove to the other commuter lot, and over to the football field to try and find parking and I couldn't find anything. I eventually jut gave up and parked in downtown Golden. It's ridiculous to charge students... more

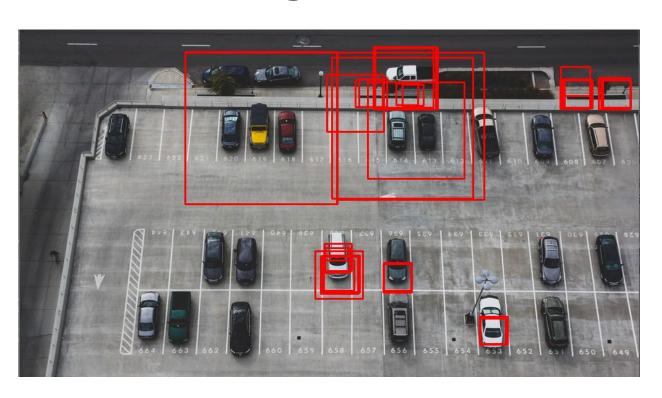
1 comment - Flag idea as inappropriate...

Environmental Impacts

- Reductions in student drive times searching for parking spots will lead to lower Carbon Dioxide emissions
- For every 10 minutes a car engine is off, we prevent one pound of Carbon Dioxide from being released

Existing Solutions

CascadeClassifier Using Pre-Trained Classifier - Garbage



Our Solution

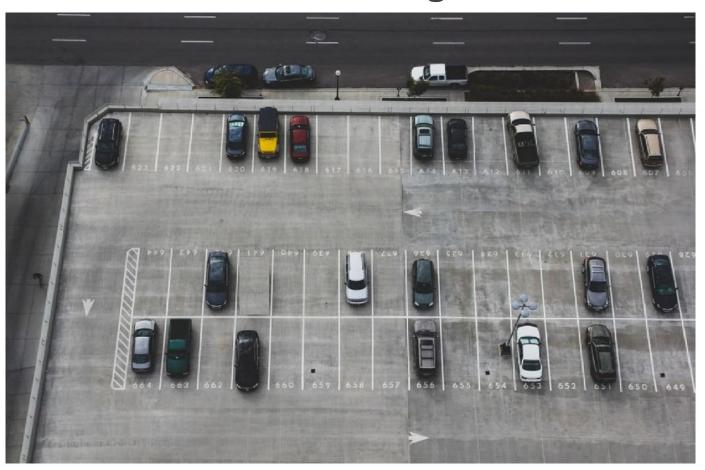
Uniqueness



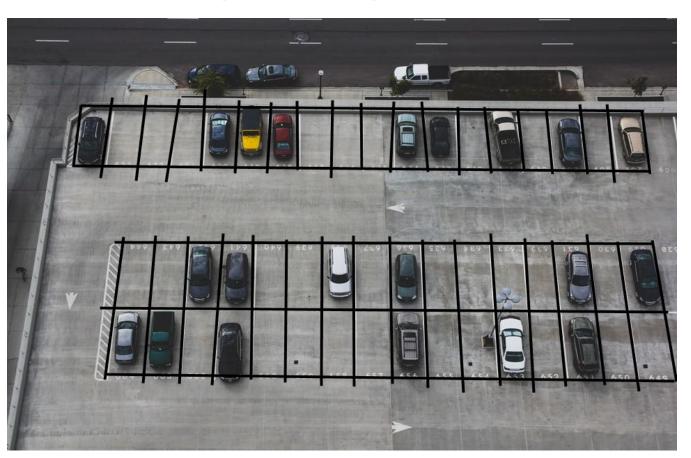


Technical Solution

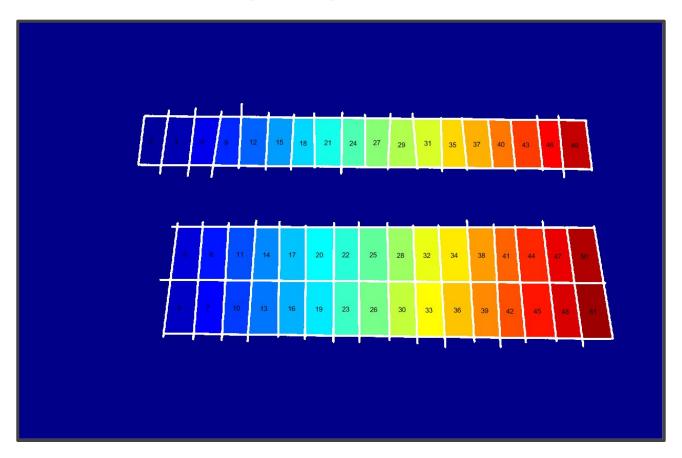
Initial Parking Lot

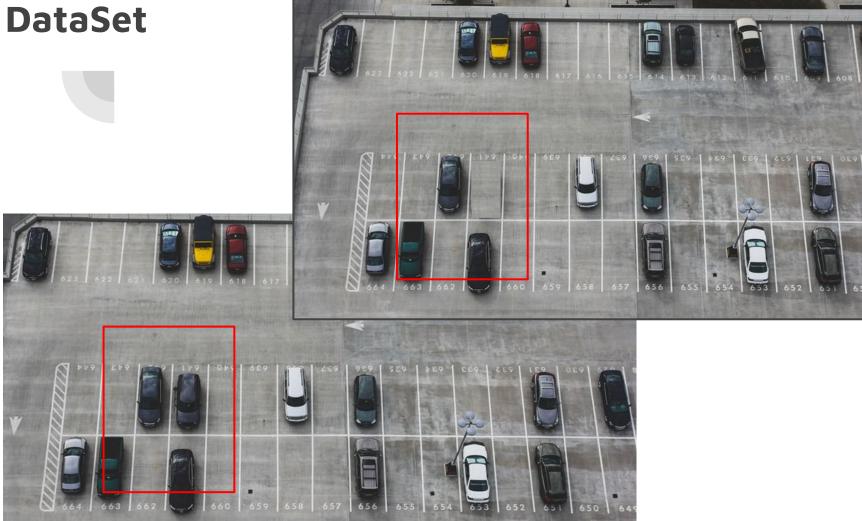


Setting Parking Boundaries

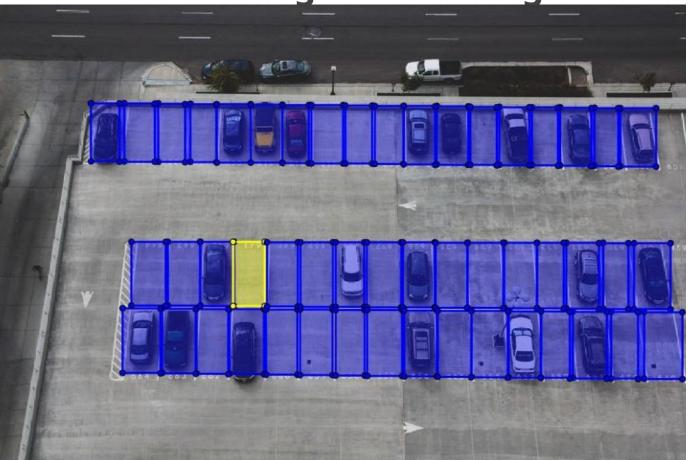


Assigning Spot ID's





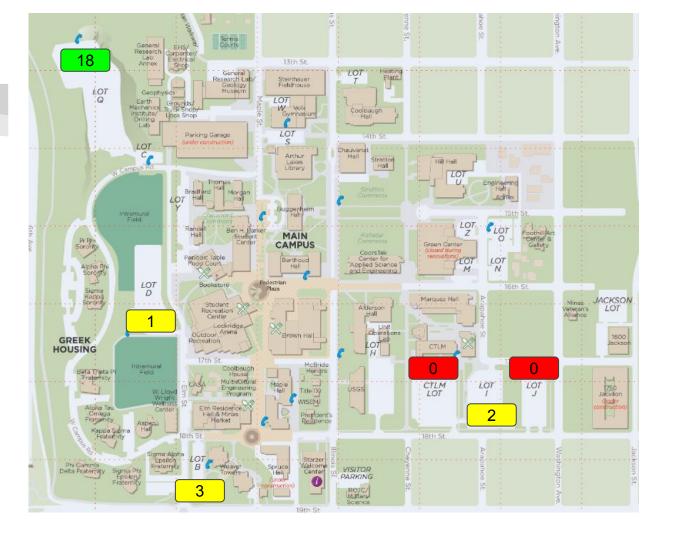
Visualizing State Change

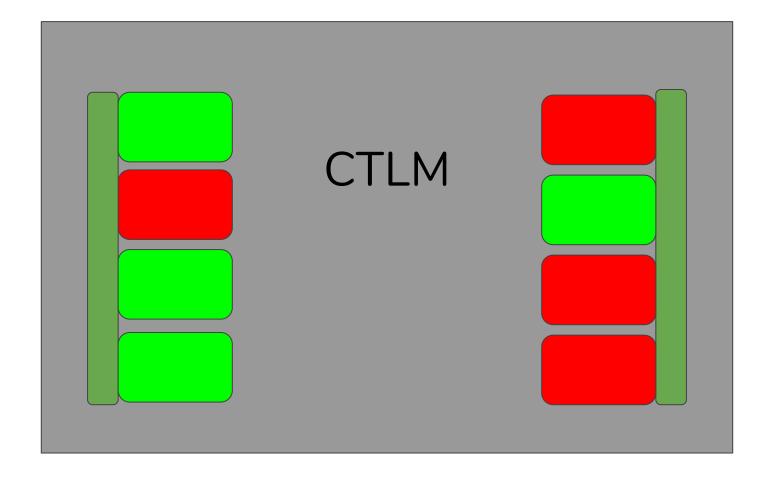


Detecting Spot Occupancies



Product Mock-Up





Next Steps

Expansion

- Use data from app to track typical parking lot occupancy on specific times and days
- Build recommendations on which lot to park in based on time and day

Thank You!

Questions?