MICHIGAN STATE UNIVERSITY

Beta Presentation Dashboard for Data Visualization

The Capstone Experience

Team Magna

Nate Bollman
Dylan Burke
Yetian Chai
Daryn Dratt
Brian Greifenberg
Matt Hofmann

Department of Computer Science and Engineering
Michigan State University

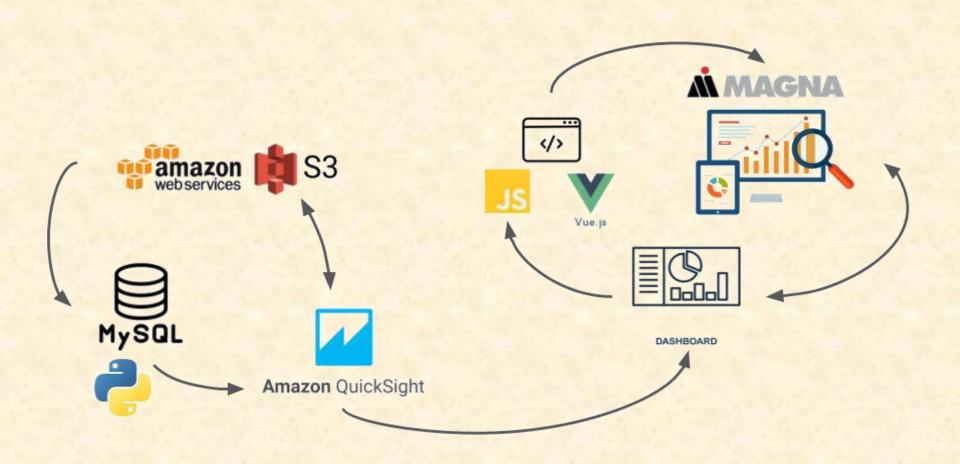


Fall 2022

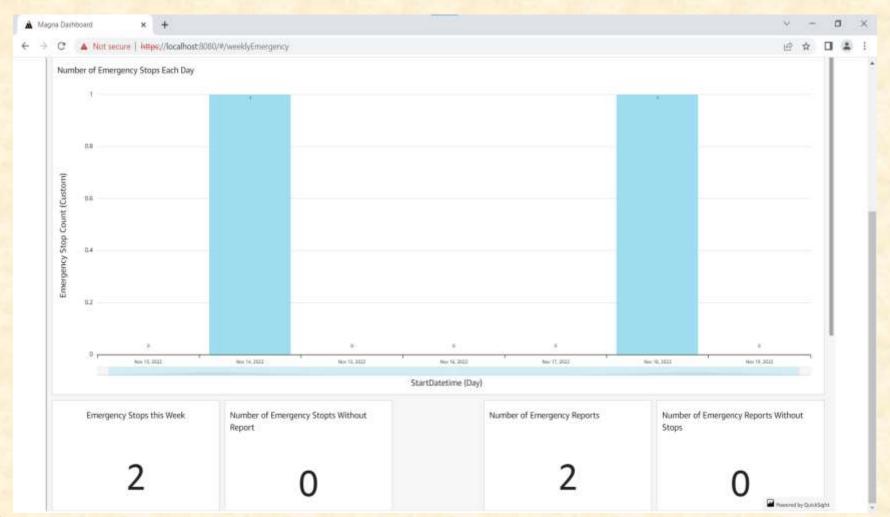
Project Overview

- Increase accessibility to deliver robot fleet data
- Provide daily updates on the status of bot fleet or individual robots
- Display fleet history for analysis
- Allow for management of fleet by filtering data

System Architecture



Emergencies



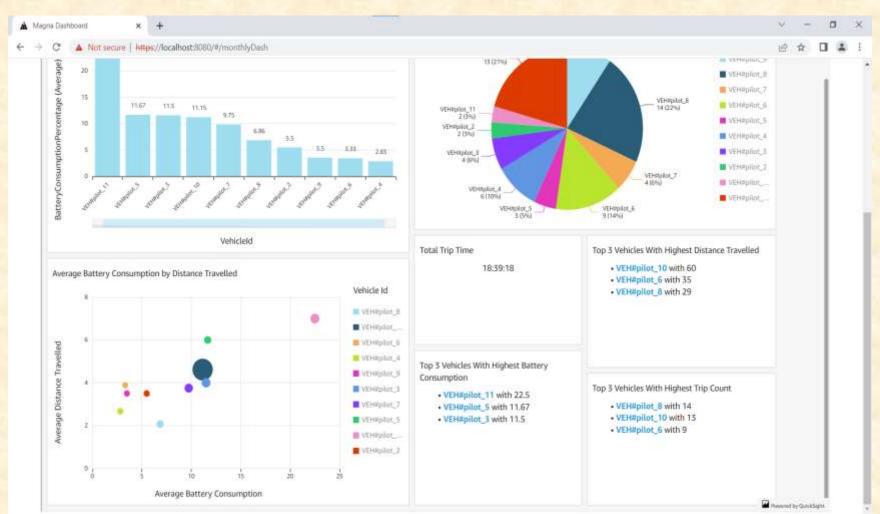


Deliveries: Comparison of Vehicles



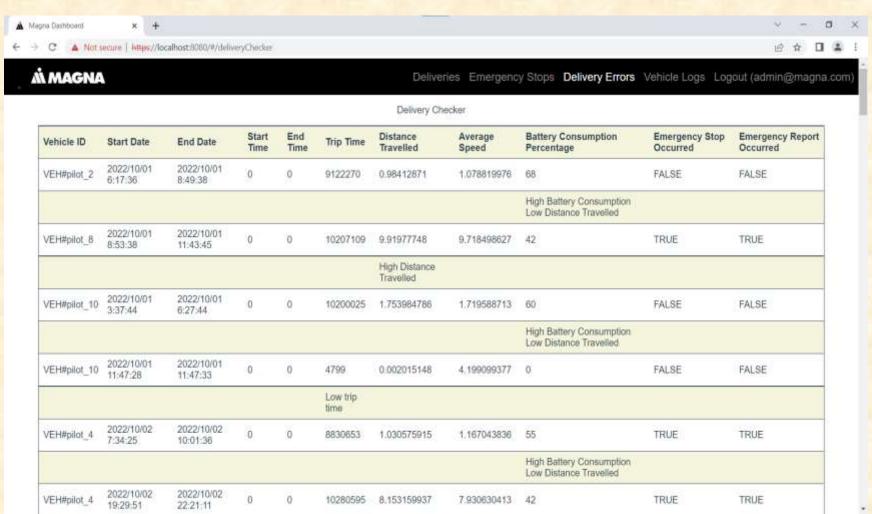


Deliveries: Faulty Batteries





Error Checker





What's left to do?

- Features
- Stretch Goals
 - Email PDF of dashboards to employees
 - Plot the emergencies on a map
 - Polish error checker
- Other Tasks
 - Integrate the dashboards in Magna's website

Questions?

