MICHIGAN STATE UNIVERSITY

Beta Presentation Learning New Train Routes

The Capstone Experience

Team Union Pacific

Kangjie Mi Matthew Schleusener Nick Summers Jon Wild

Department of Computer Science and Engineering
Michigan State University

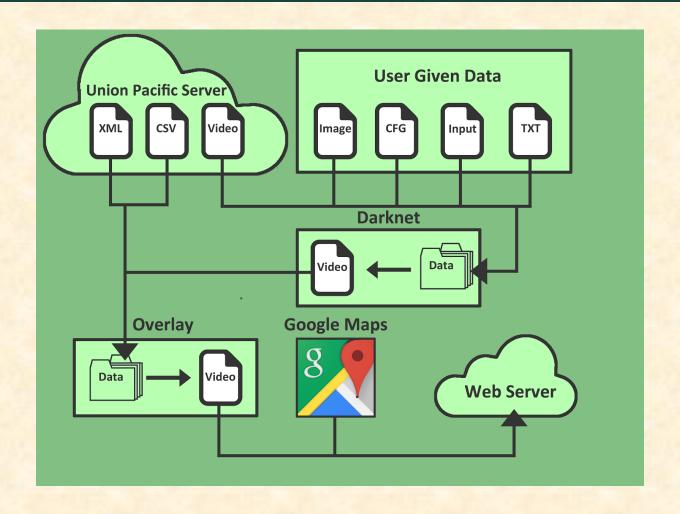
Spring 2017



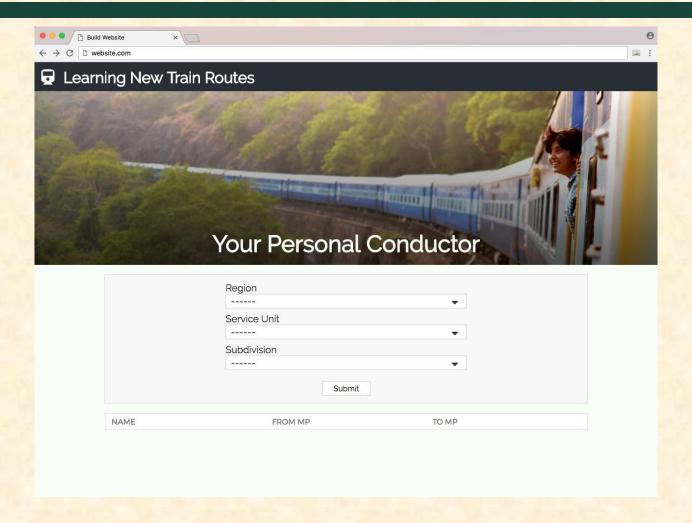
Project Overview

- Problem
 - Training costs millions every year
- Solution
 - Create AR experience
 - Overlay track information
 - Recognize signals and switches
 - Put on web app

System Architecture



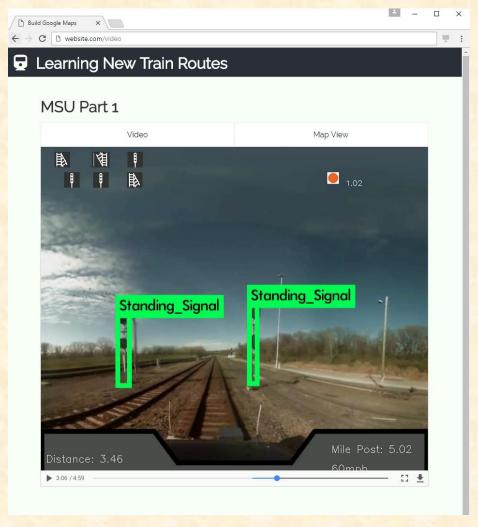
Homepage



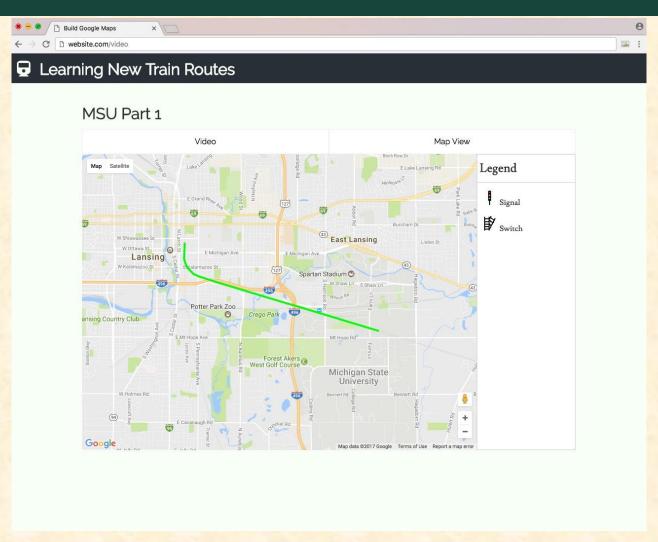
Homepage Results



Video Page



Map View





What's left to do?

- Clean up UI
 - Website
 - Video
- Add distance ruler to icon bar
- Compensate for XML/CSV inconstancies
- Code cleanup

Questions?

