Beta Presentation
Learning New Train Routes

The Capstone Experience

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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
Your Personal Conductor

Region
-----

Service Unit
-----

Subdivision
-----

Submit

NAME FROM MP TO MP
Homepage Results

Learning New Train Routes

Your Personal Conductor

<table>
<thead>
<tr>
<th>Region</th>
<th>Service Unit</th>
<th>Subdivision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michigan</td>
<td>MSU</td>
<td>MSU1</td>
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Submit

<table>
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<tr>
<th>NAME</th>
<th>FROM MP</th>
<th>TO MP</th>
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<tbody>
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<td>MSU Part 1</td>
<td>1</td>
<td>0</td>
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<td>MSU Part 2</td>
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<td>6</td>
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<td>9</td>
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<td>3</td>
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Video Page

MSU Part 1

Video

Map View

Standing_Signal

Standing_Signal

Distance: 3.46
Mile Post: 5.02
60 mph
Map View

Learning New Train Routes

MSU Part 1
What’s left to do?

• Clean up UI
  ▪ Website
  ▪ Video
• Add distance ruler to icon bar
• Compensate for XML/CSV inconstancies
• Code cleanup
Questions?