Alpha Presentation
Railroad Data Visualization

The Capstone Experience

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Project Overview

• Creates visualizations based on data from train simulation software that allow users to understand complex data with ease
• Visualizations can be created from both existing and new data stored as CSV files
• The multiple visualizations can be controlled by the use of media control buttons like pause, play, fast forward, and rewind as well as a scroll bar for quick access to specific points in time
System Architecture
Before Data Selection
Dataset Selection
After Data Selection
Animation Playing
What’s left to do?

• Finish new file upload
• L/V force graph and toggle button
• Playback speed option
• Updating dropdown with available datasets
• Front end query for specified dataset
Questions?