From Students… …to Professionals

Beta Presentation
Switch Alignment Mobile Game

The Capstone Experience
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Project Overview

• A game to train Union Pacific employees to identify different switch alignments.
• Designed for Android and browser platforms with first-person view and realistic simulations.
• Infinite runner style with scoring feature and leaderboard.
• Include various challenging conditions such as nighttime and snowy weather.
System Architecture
Morning Gameplay
Night Gameplay
Snow Environment Gameplay
Pause Menu
What’s left to do?

• Features

• Stretch Goals
  ▪ Practice mode: personalize weather/speed in settings.
  ▪ Practice mode: personalize switch types in settings.
  ▪ Add more scenery.

• Other Tasks
  ▪ Clean UI.
  ▪ Adjust terrain generation.
  ▪ Adjust the camera angle.
  ▪ Increase the speed over time.
  ▪ Blur the screen while paused.
Questions?