

Beta Presentation Virtual Reality Simulation for Railcar Loading

The Capstone Experience

Team Dow

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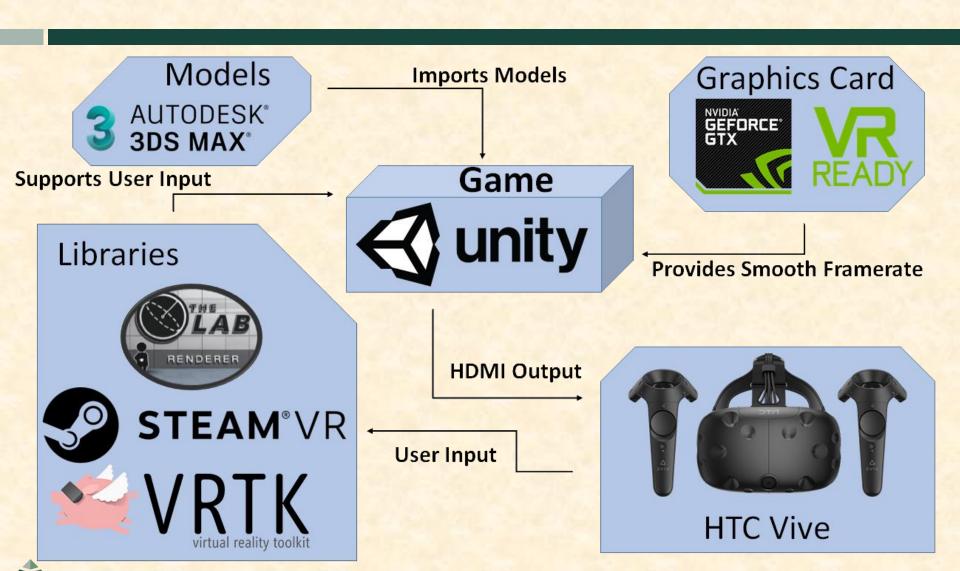


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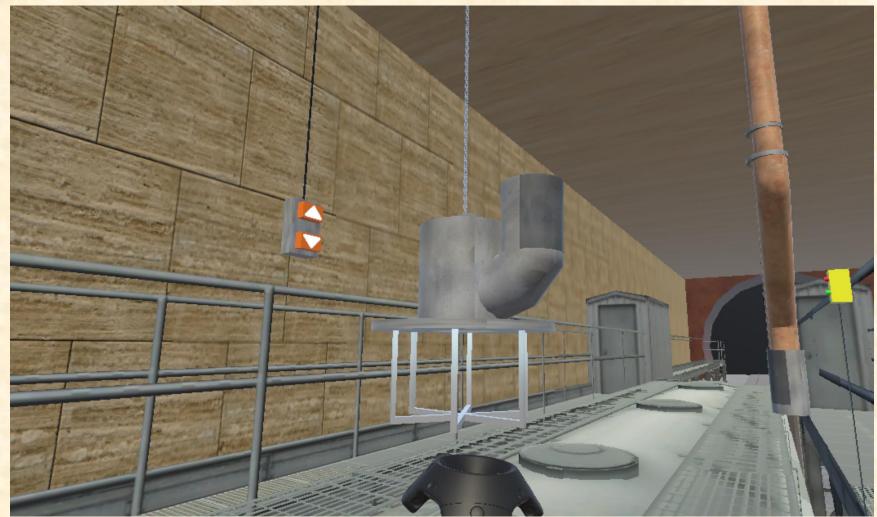
Project Overview

- Dow has to train employees to load railcars with hazardous chemicals
- Training new employees can be very dangerous
- Creating a VR game to make training safer
- Train users to
 - Load railcars
 - Properly respond to a spill while loading

System Architecture



Load Arm and Spreader

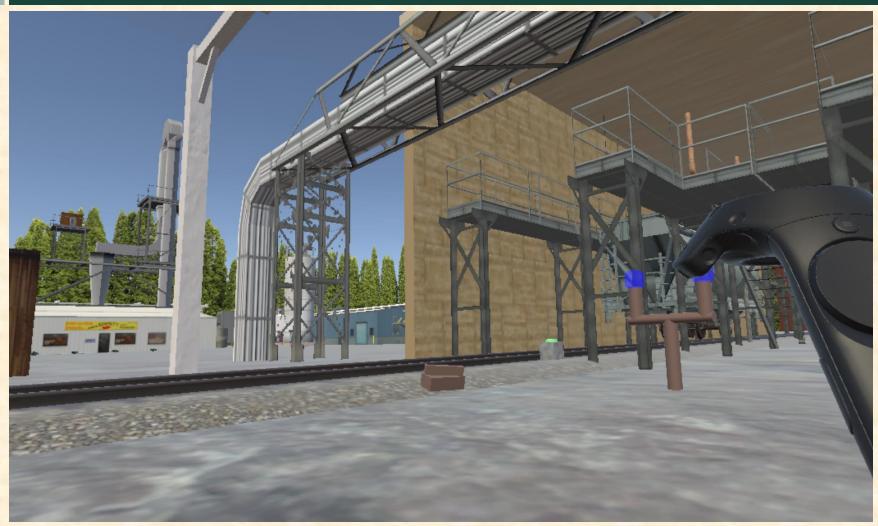




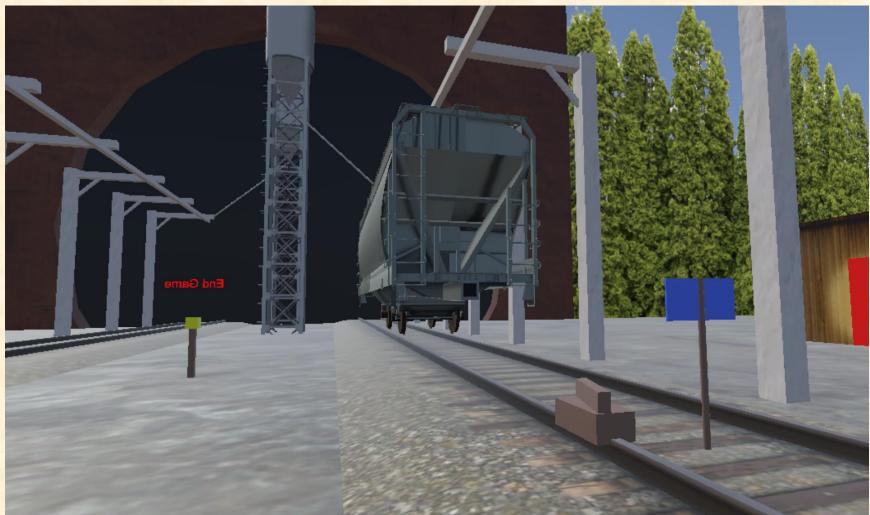
Locker Room



Derail



Incoming Railcar



What's left to do?

- Polish 3D models
- Add restrictions and boundaries to optimize the simulation experience

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Questions?

