THE FOLLOWING PRESENTATION HAS BEEN APPROVED FOR ALL AUDIENCES

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DISAGE DATION

THE XX FILES WANT TO BELIEVE

DRINGE CASPIAN

RUINS

ACROSS THE UNIVERSE

SUPERMAN

SLENTHILL







the big empty

stay





CURSED

CATWOMAN

RESIDENT EVIL: Apocalypse



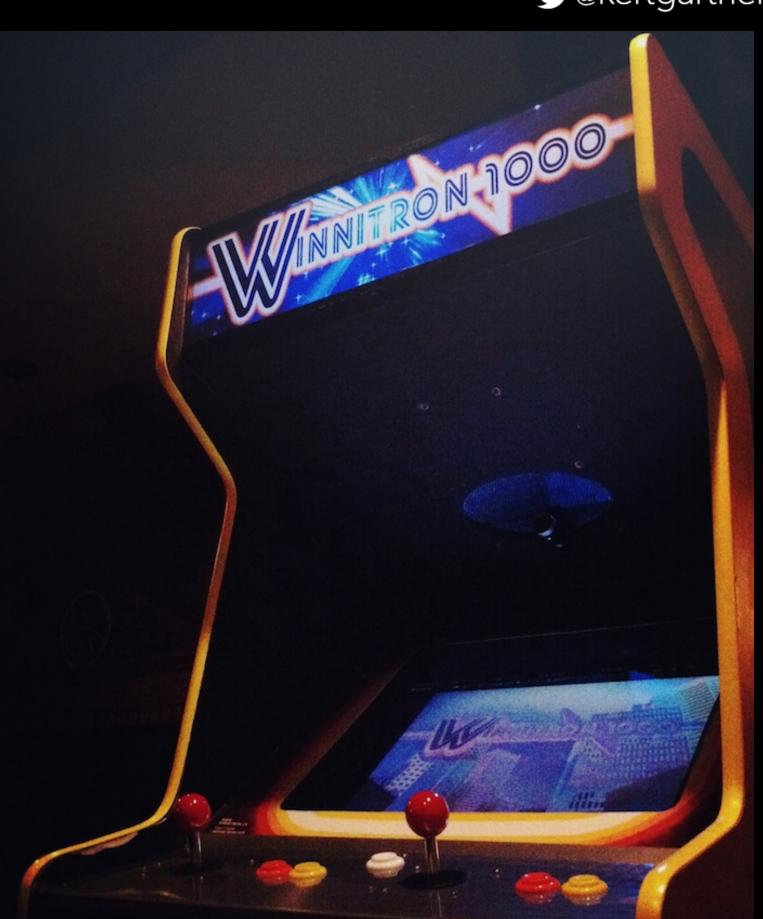
SCOOBY-DOO2

MONSTERS UNLEASHED

PAYCHIECK REMEMBER THE FUTURE

=ITALIAN JOB





































Job Simulator

Fantastic Contraption

VR has a communication problem





What people have been doing so far...





Dual Fisheye - WUT?

First Person - meh!

What people have been doing so far...



Sony's virtual HMD's

Making Mixed Reality Trailers





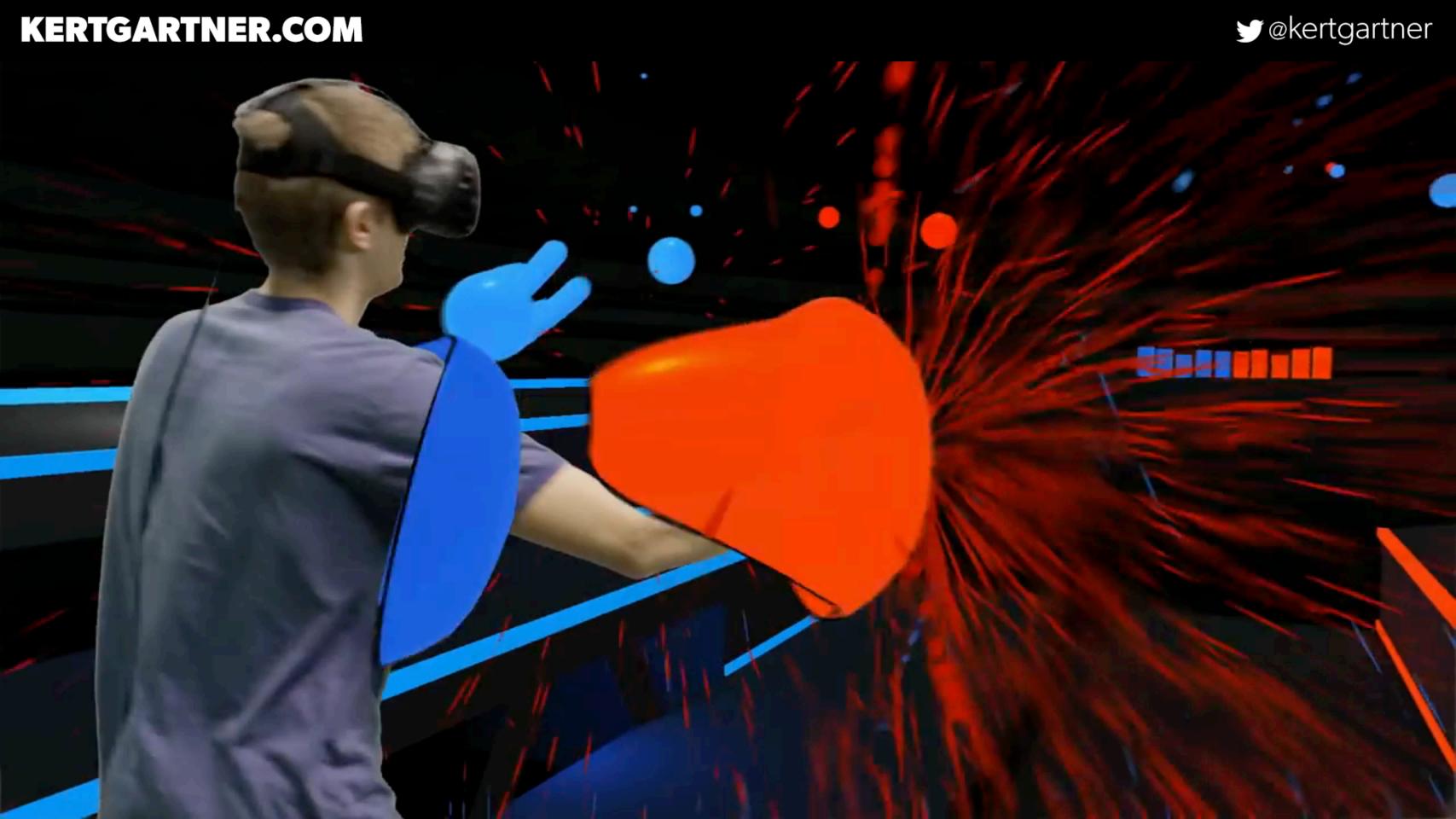
Job Simulator

Fantastic Contraption



















For Fantastic Contraption we used three different techniques to convey what it's like to be inside VR.







Www.diloomojoosideolatla fitsila y interimation the mission to physical camera make created in the real world



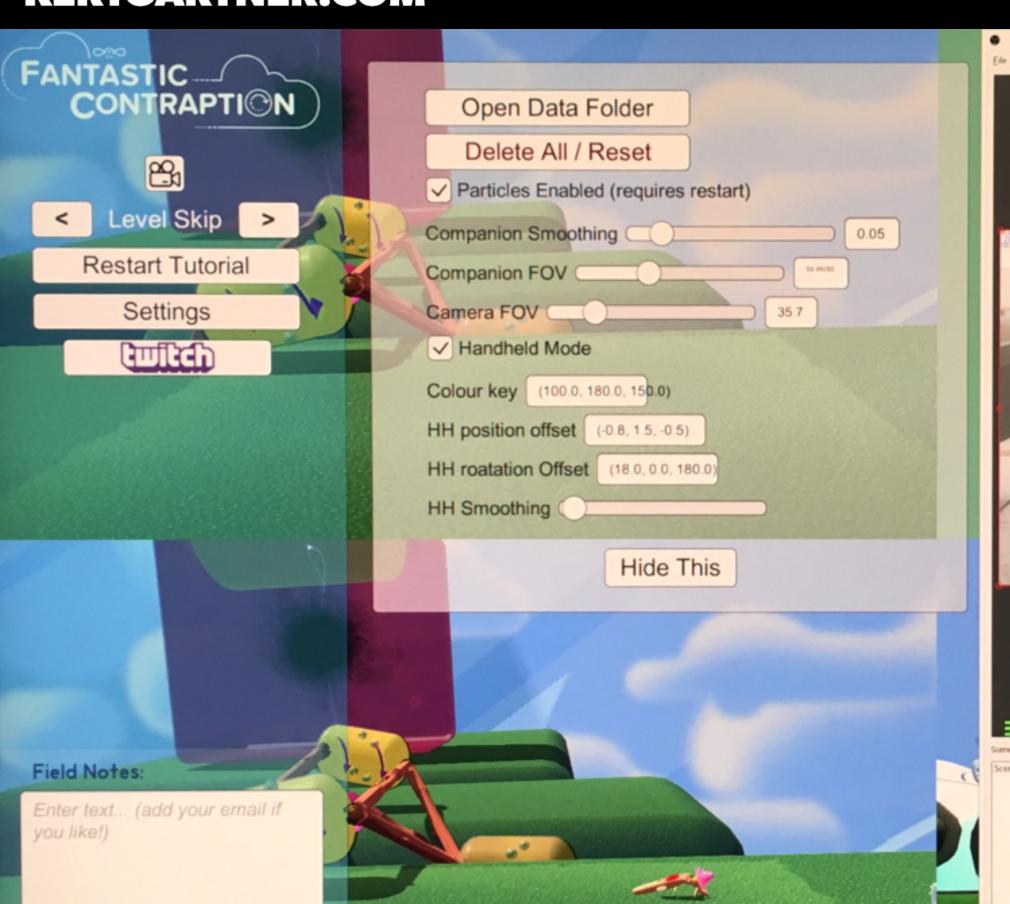


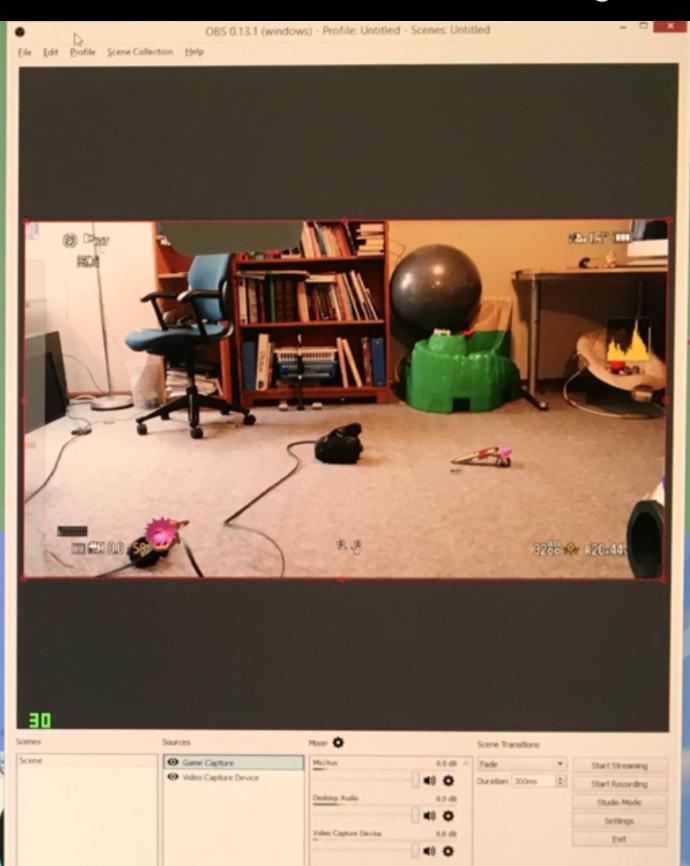
Research and Development





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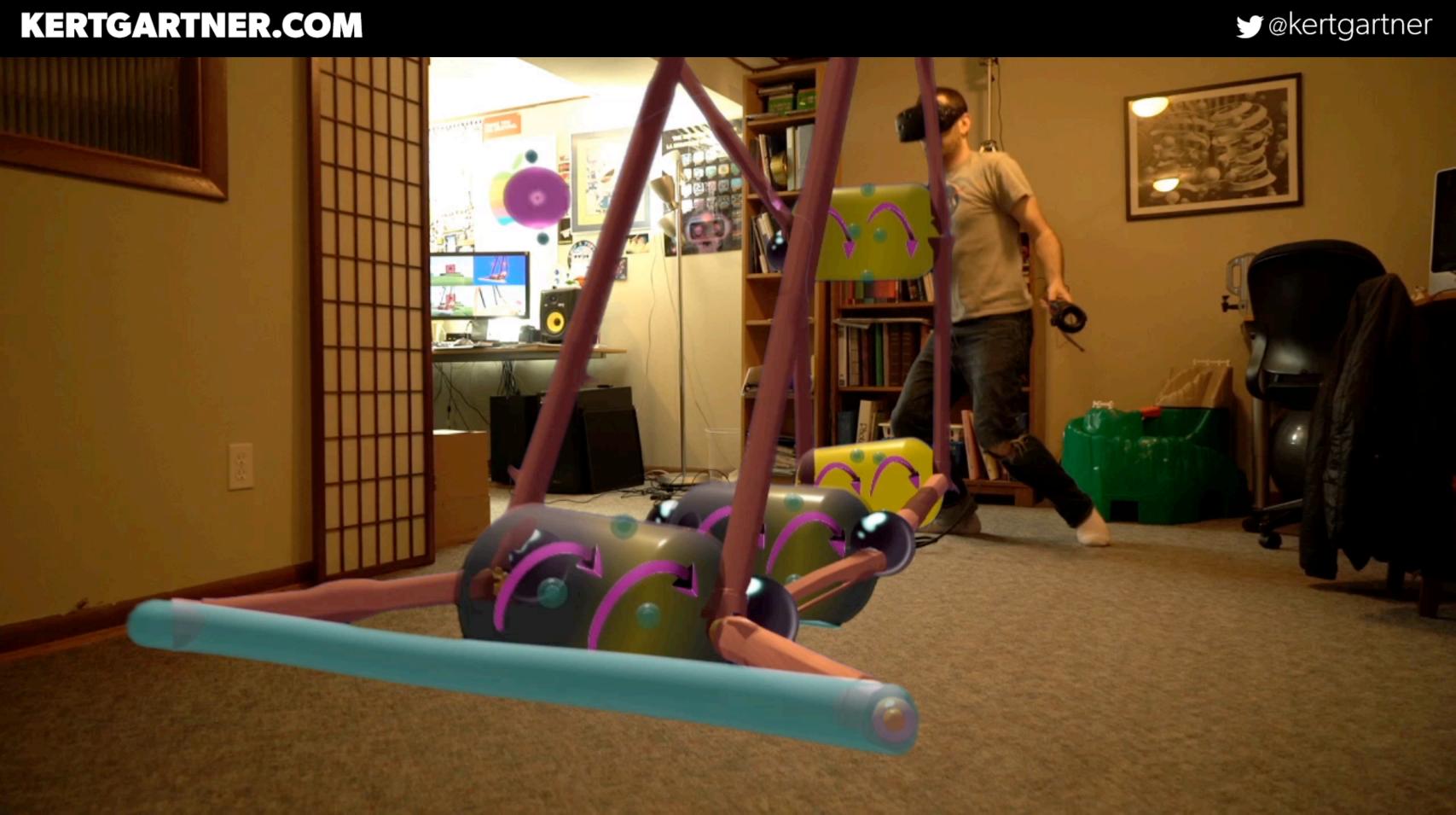










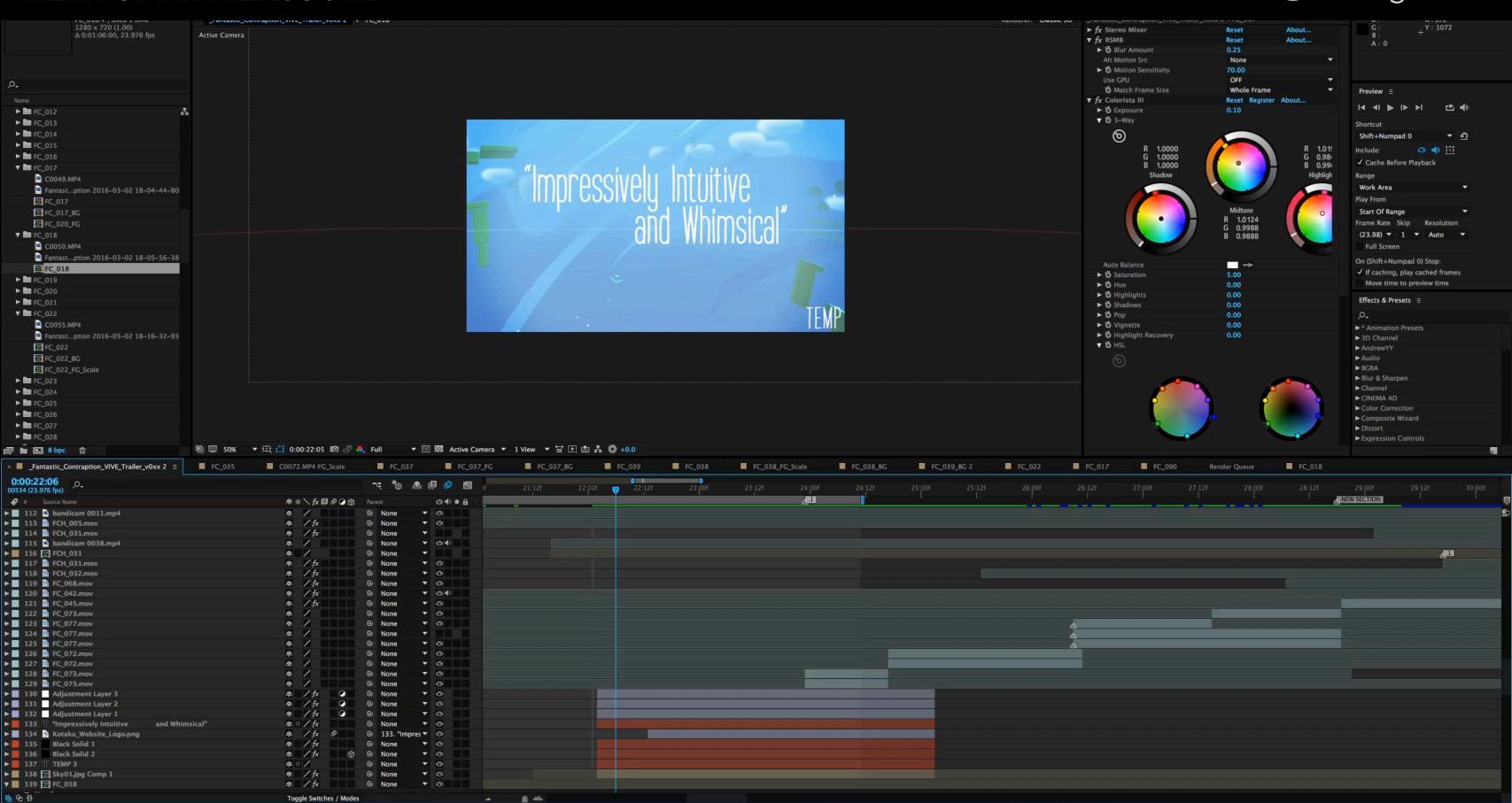




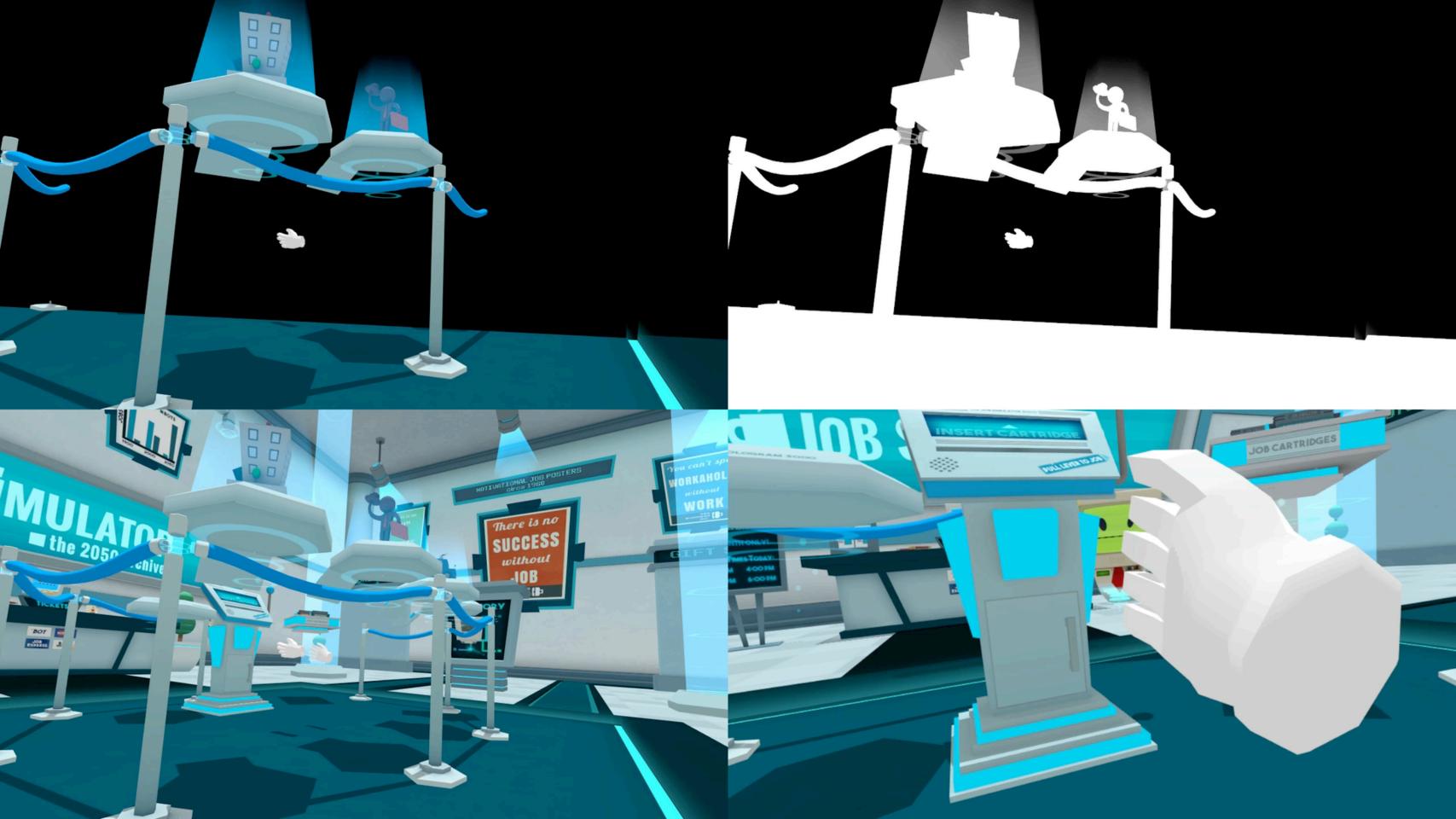


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THIS IS AMAZING

Per-Pixel Depth Sorting! No Seams! No Compositing in Post! In-Game lighting affects the player!

THIS IS NOT SO AMAZING

Depth Map is not perfect - has glitches and artifacts

ZED stereo camera does not produce as good of an image as a DSLR

Compositing in-engine is nowhere near as good as doing it in post

NOBODY CAN USE THIS YET!







Problems and Hopes for the Future

Support for more than 2 Lighthouses

Dedicated tracking object for cameras

Support for multiple tracked Camera Objects

Unified Camera Calibration from Valve

Better options in the Valve Unity Plugin for Developers

THANKYOU!

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FantasticContraption.com

JobSimulatorGame.com