The KSC Augmented/Virtual Reality Lab

Charter: To investigate the new XR technologies that are coming onto the market, learn how they work, determine their strengths and weaknesses, and recommend potential applications of these technologies to the work we do at KSC, processing spacecraft, launch delivery systems, and ground support equipment.
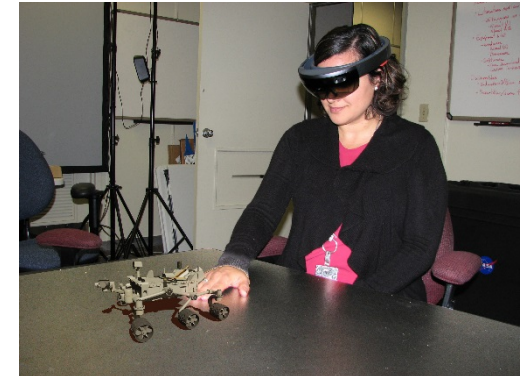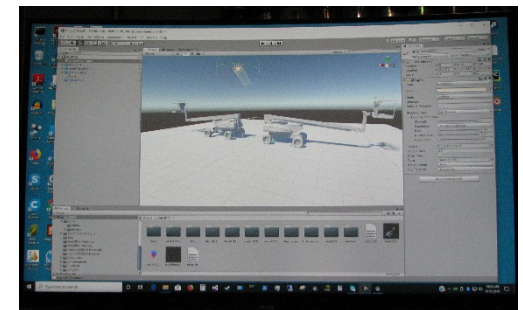
MR: Virtual Control Panel

AR: Virtual Rover

VR: Rapid Model Import Tool

Rapid Model Import Tool (RMIT)

- Goal: Import 3D CAD models, reduce file size by decimation and object removal while maintaining the fidelity of the original, then export the results to a format and size that are compatible with contemporary game development platforms such as Unity. Provide engineering personnel with models that can be viewed and interacted with on VR-ready laptops and desktops.

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