3D Virtual Museum Design and Navigation
Simulating the Chinese Heritage Centre of NTU

The idea of creating a VR gallery or museum that enables the user to take a non-restrictive virtual tour. An interactive 3D VR world of the Chinese Heritage Centre of NTU.

**Technology:** HTC VIVE

**Software:** Unity 3D & SteamVR

**Algorithm Involved:** A* Pathfinding

A virtual museum that is not limited by time or space constraint. Able to operate 24/7 round the clock with no or minimum cost. Users will be able to navigate the museum by using a HTC VIVE to take a self-guided virtual tour in the Chinese Heritage Centre in NTU. Making exhibits interactive to enhance the user’s virtual visitation in the Chinese Heritage Centre in NTU.

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