

CS 148 Final Project

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Project Requirements Adherence

Leveraging the power of ray tracing

- Water surface reflects light from lanterns and other surfaces naturally
- Emitted light from lanterns appears on nearby objects realistically

Main geometry from scratch

- Main bridge, basic lanterns and water surface modeled from scratch
- Elaborate lanterns and buildings are modified open-source assets

Blender/Cycles advanced feature

- Depth of field is used
- Fog over water is a volume scatter/noise texture/color ramp

Group Member Contributions

Yi modeled and textured the central bridge, water surface, sourced assets for and configured temples and background HDRI, and designed global illumination. Mac modeled and textured lanterns, both from scratch and by adjusting assets. Ultimately, most of the work done was the result of continuous collaboration.

Assets Downloaded vs Made

- Main bridge, basic lanterns and water surface modeled from scratch
- Basic lanterns and lamps UV unwrapped and textured from scratch
- Elaborate lanterns began with imported geometry that was adjusted and re-textured with internal lighting added, by a similar process to how basic lanterns were made

Sources cited

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