

# CS 6334.001 Virtual Reality Project Proposal

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In this project proposal, please describe the following items after reading the project description. Students are encouraged to use LaTeX to write their proposals. I have a LaTeX template for the project description in eLearning or you can use the LaTeX template of homework. Another option is to use Word or other text editing tools. Handwriting is not accepted.

A useful online LaTeX tool is Overleaf <https://www.overleaf.com/>.

- **Title.** Let's give a name to your project.
- **Team Members.** List the names of the team members.
- **Overview.** Briefly describe what do you plan to work on in the project.
- **Virtual Reality vs. Augmented Reality.** Are you going to work on VR or AR?
- **Application Environments.** Which application environment are you going to use?
- **Virtual World.** What is the content of your VR/AR application? How do you plan to build the virtual world?
- **Visual Renderer.** How do you plan to render images? Or what APIs can you use to render images in the application environment?
- **Visual Display.** How do you plan to display images? Are you going to use the Cardboard VR glasses?
- **Interaction Mechanism.** How can users interact in your VR/AR system? What types of interactions are you going to support? Do you plan to use the Bluetooth VR controller?
- **Additional Components (optional).** Please describe additional components related to the VR/AR system you plan to build.