URP opportunities in Spring 2022 are available for students interested in networked virtual reality applications and have background knowledge of computer networking and/or Unity development. The project involves setting up an online collaborative VR environment. The platform allows doctors and nurses to collaborate on virtual surgery remotely.   
   
The tasks of the URP include:  
1. Help to maintain the network module.  
2. Design packet structures and handle packets to support more VR interactions.  
3. Help to improve the game logic engine, user performance evaluation system and user interaction synchronization.  
4. Deploy and evaluate the system.  
   
Knowledge of computer networking and a solid programming skill (familiarity of C# is preferred) are required. If interested please send an email to Prof. Abouzeid, [abouzeid@ecse.rpi.edu](mailto:abouzeid@ecse.rpi.edu) briefly highlighting your relevant expertise in the email, and attach a resume.