Project Description:

- We will be building a multi-camera system to reconstruct high-quality 3D digital humans (face, body, hand motion) and human-object interactions.
- UROP students will be participating in the parts of the overall pipeline including system building, camera calibration, 3D human reconstruction algorithms, and others.
- The research will pursue a CVPR submission

Requirements:

- Strong coding skills (C++ & Python) in Linux environment (required)
- Knowledge on Computer Vision, Deep Learning, Machine Learning should be a plus (not required)