Meeting with Dr. Higgins

Attendees: Cole, Bryce, Sam, Shelby, Dr. Higgins

Date: 9/13/19

* Light source used to view eyes
  + Produces two images; one for each eye
* Convert a purely optical system to a purely digital system
* Equipment
  + Slit lamp (what you put your chin in at the doctor’s office)
  + 4k cameras
  + VR headset
  + Mobile sized LCD screen
* Primary Goal: Producing a view for the primary physician (both on LCD and VR)
* Secondary Goal: Producing a view to be live streamed for VR viewing
* Any computer should be able to interface with the cameras (within reasonable performance requirements)
  + Raspberry Pi?
  + UVC Standard? (need more info)
* Quality is paramount (over latency)
* Clinic local latency goal: 250ms
* Remote latency goal: ~550ms
  + Needs to be shorter to applicable in OR setting
* Cameras are RGB

Acquiring the cameras:

5th floor of the Shriner’s Building; ask for Melinda Lyons

Administrative suite (should be on the left)