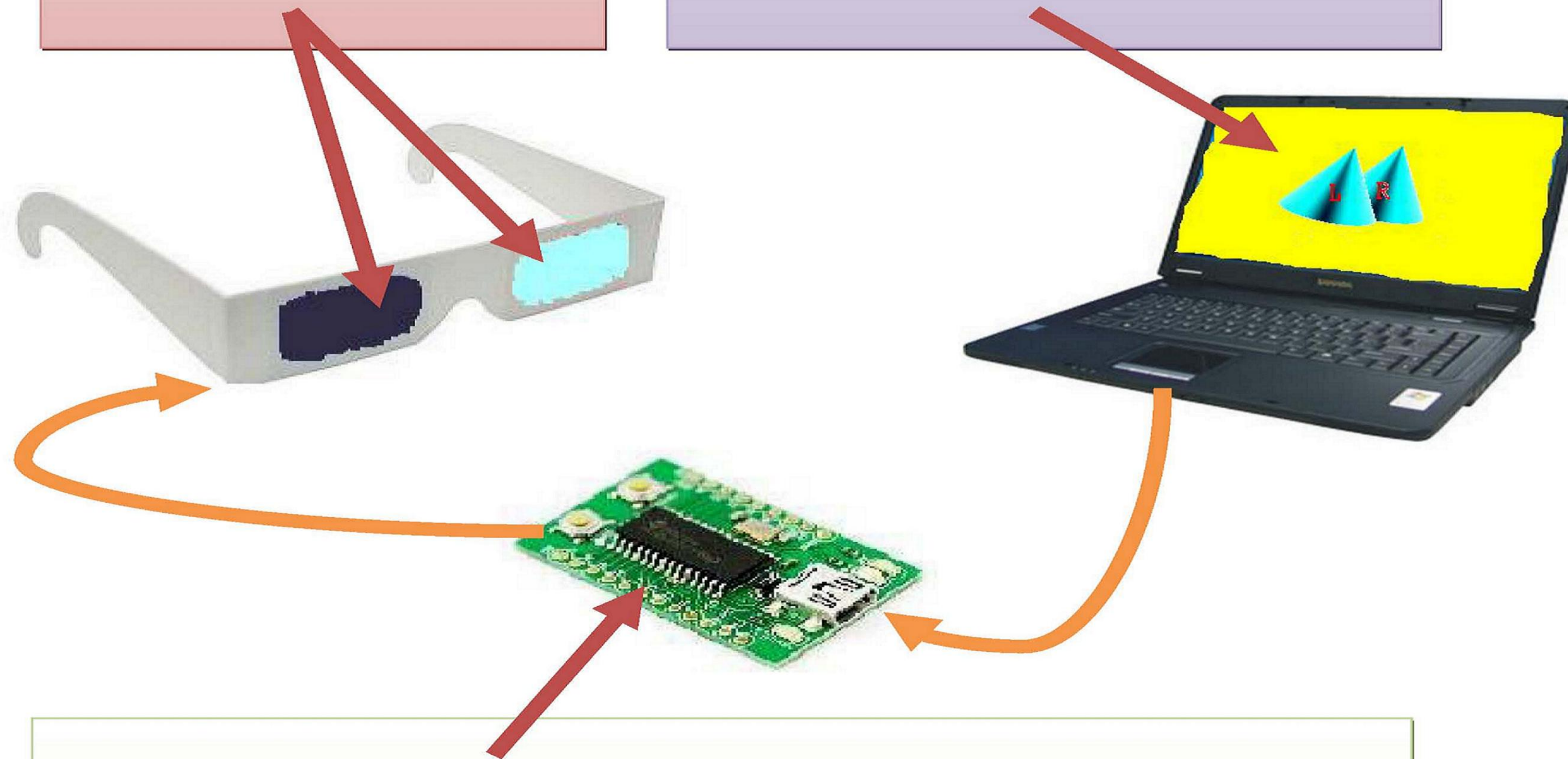# Stereoscopic Shutter Glasses

Cory Francis Klein

William Lorenzo Swank

William Lee

Michael Yang

Pi-Cell LCDs: Dark when low voltage applied. Transparent when high voltage applied. When one LCD is transparent, the other one should be dark.

Ray Tracer: Dual camera, displays the image for the eye which LCD is transparent.

- Shutter Glasses switching on and off with 60Hz frequency

  +

- Ray tracer displaying right and left image alternately with 60Hz frequency

  +

- Synchronization

  ||

- 3D image

USB Bit Whacker: Sends the oscillating signal to the glasses.

PLL (Phase Locked Loop) Circuit: Synchronizes the glasses with the computer monitor output.