



A UTA Fablab Workshop

Instructors

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Special Note

This tutorial is a special, small class size.

We know a lot about the rift, but we are by no means experts. Let's grow together.

Please give us whatever feedback you can!

Summary

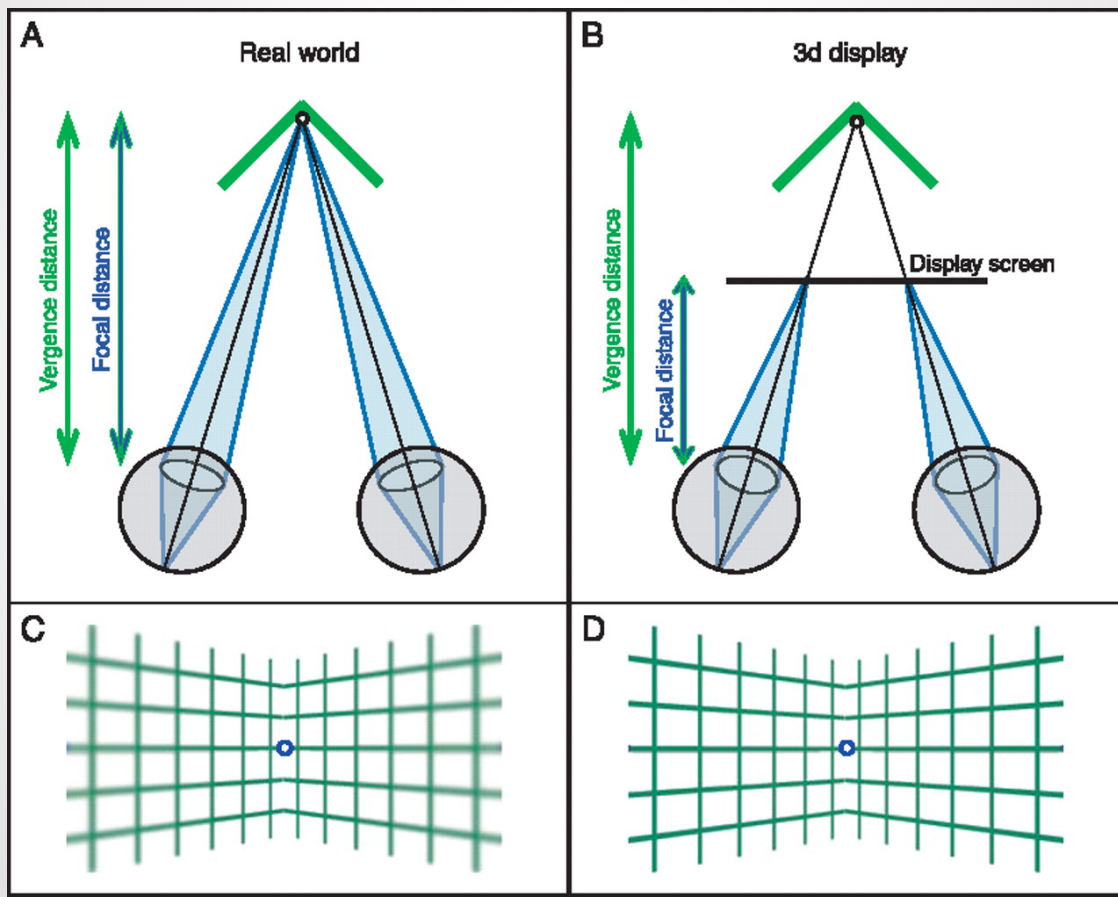
1. Who/What/Where/When/Why
2. Understanding the Hardware
3. The software behind the scenes
4. Examples:
 - a. Loading a floor plan
 - b. Adding a moving camera
 - c. Exporting to Oculus Rift
5. Question and Answers

What is the Oculus Rift?



ifixit

What is the Oculus Rift?



Where is the Oculus Rift?



**RIGHT
HERE!**

Where is the Oculus Rift?

- We have 2 development kits available.
 1. Kept available with the high power comp.
 2. Kept in the back for... not sure yet
- 3. The rift is the experience, but the software really determines it's potential.

When is the Oculus Rift Available?

- During normal Fablab hours we have it out for demo and development.
- If you need it available at a specific time just call, e-mail, or drop by to schedule a time.
- 2nd Unit available for checkout situationally

Why the Oculus Rift?

- Continues the transition from 2D to 3D in the visual experience
- Expands data visualization
- “Virtual Reality Training Wheels”

Why should *you* Rift?

- Gain a better understanding of computer visualization and 3D data
- Removes the limitation of 2D experiences
- A compelling method of visual story telling

Understanding the Hardware

- The Oculus Rift headset
- The positional head tracker
- Cables (sadly :c)
- The high performance computer (optional)

Understanding the Hardware

- Resolution: 960 x 1080 per eye
- 75 Hz, 72 Hz, 60 Hz Refresh Rate
- Gyroscope, Accelerometer, Magnetometer, Near Infrared CMOS Sensor