June 25 – 27, 2019 • San Jose, CA

REALITIES360
Conference & Expo℠

Session #505
Getting Started with
Virtual Reality

Lindsay O'Neill, California State University - Fullerton

What are your challenges in getting started with VR?

What We'll Cover

1. Types of Virtual Reality

2. Open/Free Virtual Reality Software

3. Vizor 360 Demo

4. Capturing and Editing 360 Photos

Types of Virtual Reality

Platform

IMMERSIVE VIRTUAL REALITY
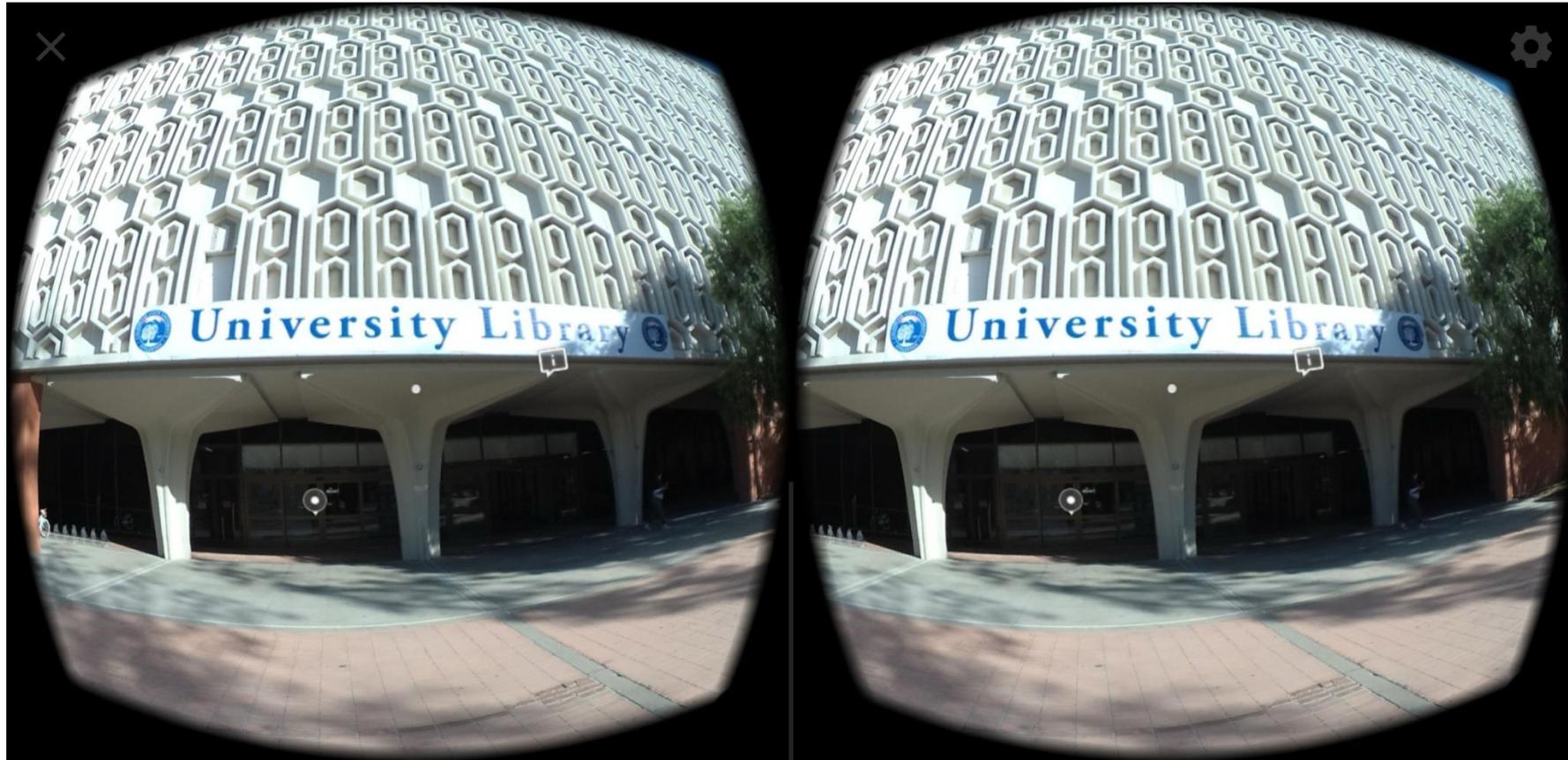

Pexels

DESKTOP VIRTUAL REALITY

WOCinTech Chat

Media

360 IMAGES AND VIDEO

3D MODELED WORLDS

Immersive VR

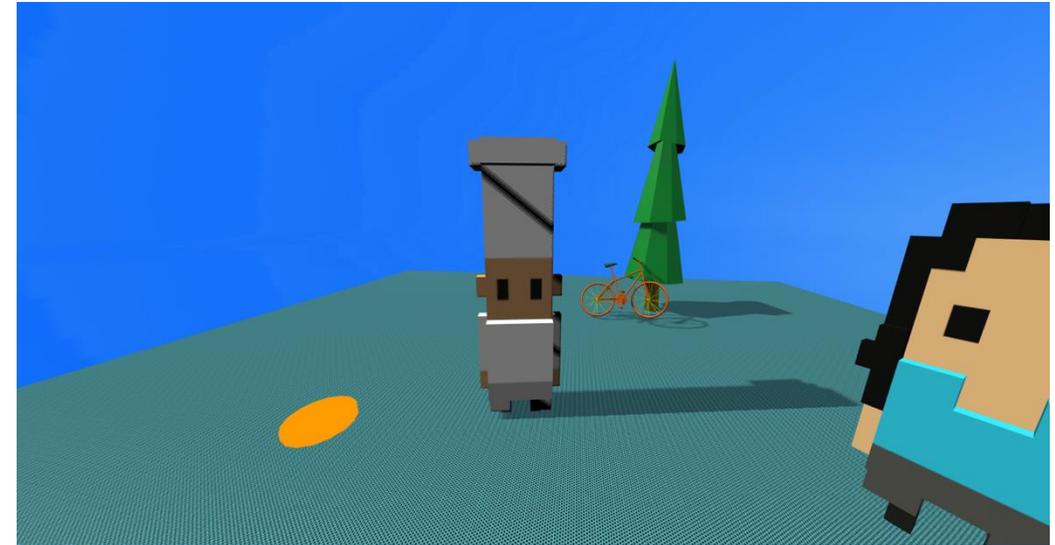# Desktop VR

Developing Virtual Reality

Open Software

VIZOR 360 – VIZOR.IO

360 Photos

PATCHES – PATCHES.VIZOR.IO

3D Models

Open Software

H5P – H5P.ORG

360 - Virtual Tour

Software Features

VIZOR 360 – VIZOR.IO

Hotspots to navigate between scenes

Branching

Audio
looped or triggered

Click-to-reveals: text and images

Immersive or desktop

Adjust "Front Point" (customize the view for entering a new scene)

H5P – H5P.ORG

Hotspots to navigate between scenes

Branching

Audio
triggered

Click-to-reveals: text, images, videos

Desktop only

Multiple-choice quizzes

Integrates with Moodle/Drupal/WordPress

Demo

Vizor 360 Demo

Vizor 360 Demo

Watch me demonstrate creating a Vizor 360 project:

https://youtu.be/ELemFLA5Vg4 (3-minute video)

Or to go http://lindsay-oneill.com/getting-started-with-virtual-reality

Capturing and Editing 360 Photos

Free Mobile App – Cardboard Camera

Use Your Own Phone – Android or iOS

Examples of VR Cameras

Insta360 Air (use with phone)

~$99

Yi 360

~$200

Kodak PixPro Orbit360 4K

~$300

Two Lenses = Two Photos

Stitching

◦ Not necessarily automatic!

◦ Some cameras stitch internally, otherwise must use desktop software

Equirectangular

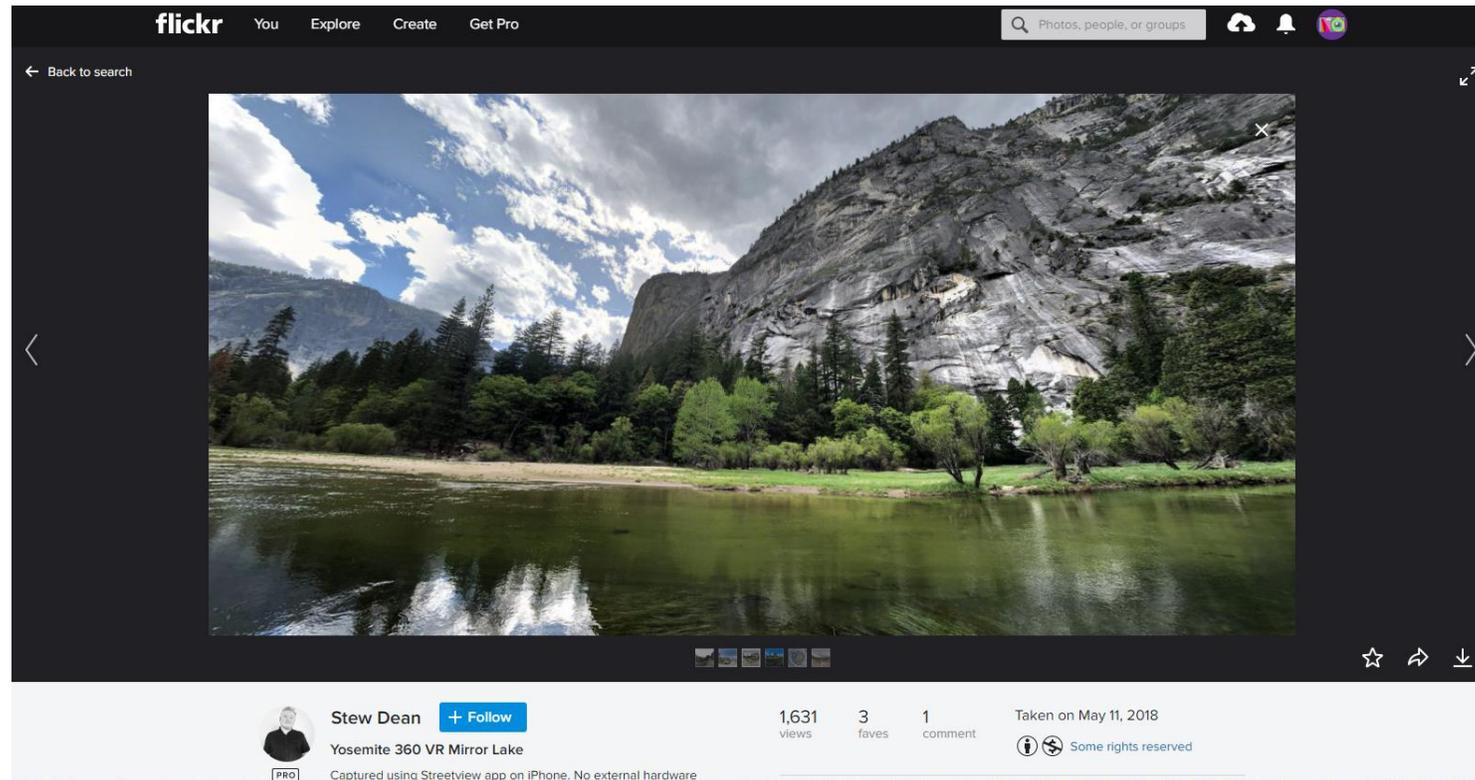# View in 360

Existing 360 Content

Flickr

- 360 group
- Equirectangular group

Be mindful of copyright/Creative Commons licenses on Flickr content.

Hosting 360 Media

flickr

◦ Free hosting for 360 viewing
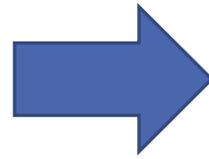
◦ Share links and embed as iframes

Challenges in Capturing 360 Media
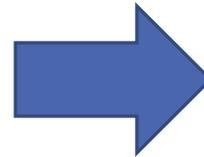
Take your photos at eye level

Challenges in Capturing 360 Media

You & Your Tripod: Edit yourself out (Photoshop) or use the camera timer and hide!

Challenges in Capturing 360 Media

Horizon Corrections

edit360 (former THETA Converter Pro)

hirota41   **Photography**   ★ ★ ★ ★ ⯪ 40 👤

🄴 Everyone

ⓘ This app is compatible with all of your devices.

Installed

Resources

Resources and more at:

lindsay-oneill.com/getting-started-with-virtual-reality

Let's Chat

Lindsay O'Neill
loneill@fullerton.edu

lindsay-oneill.com