ICAT Day
360-Degree Video of North Cross Camp

Virginia Tech CS4624: Multimedia, Hypertext, and Information Access

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ICAT’s History

• Transdisciplinary Education

• Summer Maker Camps (2012-2016)

• ICAT Day (2012-2016)

Ivica Ico Bukvic speaking about sound technology in 2013
https://www.icat.vt.edu/sites/default/files/u46/Maker_5.jpg
Document the North Cross School Camp

- Film 360 degree video of the camp
  - Record and integrate spatial audio
- Present students’ perspective
During the North Cross School Camp

• Indoors in the multipurpose room
• Syncing video and audio
• Outdoors in the courtyard
  o Children and chaos
After the North Cross School Camp

- Selected and stitched footage
- Merged spatial audio with 360-degree video
- Selected student materials and developed accompanying website to display them
Project by the Numbers

- 3 early alarm clocks
- 3 major software applications
- 3 dimensional Unity sphere
- 104 GB of GoPro footage
- 1.37 GB of audio

Final Exhibit

- 324 MB of video, 34 MB of audio, 3 iPads, 1 Oculus Rift
Lessons Learned

• Open-endedness as a strength and a weakness
  “Keep an open mind, but not so open that your brain falls out.” - Claudio D’Amato, VT ASPECT Program

• Challenges with 360-degree video
  o Spatial audio
  o Stitching/software
  o The future of VR

• Future Virginia Tech 360 video efforts
  o TLOS (Technology-enhanced Learning and Online Services)
Demos

https://www.youtube.com/watch?v=ICNTcloVztg

Molly Graham watches the 360 video on ICAT Day
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North Cross School

Kolor, Amazon, Bootstrap, Adobe, Oculus, Unity, Soundcloud, Flask - usage of their logo