

Submit Grant Proposal | VR@Illinois

Submitted by:

09/20/2019 03:12:09 P.M.

1. Name

Brian Jewett

2. Email

bjewett@illinois.edu

3. Your Status

Staff

4. Your Department

Atmospheric Sciences

5. Provide a brief summary of the VR/AR project that would be funded by this grant proposal

I am proposing rental costs for 3D VR audio and video for 3 weeks to acquire severe weather footage for use in a proposed exhibit upgrade at the Museum of Science and Industry in Chicago. I am an atmospheric scientist who is planning a larger NSF collaborative project, and the acquired footage would be used for a suggested VR exhibit within part of the exhibit space in Science Storms.

6. How much funding are you requesting?

\$1500.00

7. Provide a brief preliminary budget of how the funds would be used

At borrowlenses.com: 3 week rental of * Insta360 Pro II Spherical 360 8K camera, \$760 + \$278 insurance * Extra battery pack \$100 + \$18.22 insurance * Zoom F4 multitrack audio recorder \$138 + \$36 insurance * Total rental \$998 + \$333 insurance = \$1330.97 Plus: 4 acrylic half-domes for protecting camera, \$17.99 ea = \$80 Total \$1410.97. Severe storm footage would be acquired in Spring, 2019. I would provide vehicle, insurance, gas, 3D VR audio (purchased or rented), 4K AG-CX350 camera (owned), microphones (owned)

8. Describe the anticipated outcomes of your project.

The purpose of this proposed work is to acquire footage that could either be used IN such an exhibit at MSI, or which could be used in 3D VR presentation to potential industry / foundation funding personnel to fund a larger project (part of which will be proposed to NSF). I plan to approach some of the original founding agencies that helped pay for the MSI Science Storms exhibit.

9. What is the proposed timeline for your VR project?

1 week camera rental for familiarization of equipment, testing, and work with footage. Actual footage to be acquired April-June 2019.

10. Additional information

I am a PhD meteorologist and research scientist at the Department of Atmospheric Sciences at UIUC. I teach and carry out NSF/NOAA-funded research at UIUC. I have 'chased' storms with the University of Oklahoma and the National Severe Storms Laboratory. I have recently gathered 360 footage with an Insta360 One X that I own, and am confident in my ability to succeed in the enhanced work proposed here. I have also (through NCSA, long ago) experience working with and contributing an exhibit to MSI - then as a UI graduate student. FYI: MSI is not (yet, until next month) aware of this proposal.