



Ryan K. Hurd

Graduate Student

Savannah College of Art and Design (SCAD)

Major: Visual Effects

Program: Research Alliance in Math & Science

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Research Area: Visualization

The project will involve producing scientific visualizations to help researchers have a better visual understanding of the data that they have discovered through their research. Additionally, people who may be unfamiliar with science will have a better understanding of the concepts of the data and learn why this research is important to them. The visualizations will be presented on ORNL's Exploratory Visualization Environment for Research in Science and Technology (EVEREST), a massive, high-scale screen that is 30 feet wide and 8 feet high, consisting of 27 individual screens 1280 by 1024 pixels, resulting in a 11,520 by 3072 pixel screen. The presentation will deal with global climate simulation and will use 3D graphics software such as Maya, which is widely used for film and video games, and VisIt, a visualization tool used specifically for science, to produce them.

Mentor Information:

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