



Ryan K. Hurd

Graduate Student

Savannah College of Art and Design

Major: Visual Effects

Program: Research Alliance in Math & Science

Research Mentors: Sean Ahern

Jamison Daniel

Email: [rhurd@alumni.nd.edu](mailto:rhurd@alumni.nd.edu)

#### Research Area: Visualization

The project will involve producing scientific visualizations to help researchers have a better understanding of the data that they have discovered through their research. Additionally, those 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 EVEREST (Exploratory Visualization Environment for REsearch in Science and Technology), A massive, high-scale screen that is 30 feet wide and 8 feet high consisting of 27 individual screens 1280 by 1024 pixels, making a 11,520 by 3072 pixel screen. The presentation will deal with global climate simulation using 3D software such as Maya and VisIt to produce them.

#### Mentors:

Sean Ahern

(865) 241-3748

[ahern@ornl.gov](mailto:ahern@ornl.gov)

Jamison Daniel

(865) 576-5823

[danieljr@ornl.gov](mailto:danieljr@ornl.gov)