

Data & Visualization Weekly Projects Report

2022__01__31

Active Projects

Active Development

- Kay He Exoplanets
- Kay He B2 Lung
- Marcos Serafim Touch Designer visualization of audio file as video data bending
 - Spent time last wed rendering out touch designer video files for his conference video
- CATalyst data studio vis wall playlist
- Thermal Imaging Project
 - Setup the array job processing, and planned a meeting with Ed and his students to do the handoff, but they didn't show up
 - Added vertical filter option and brush/end controls to the log plotter
- Vulkan on HPC
 - Spent quite a bit of time working on getting vulkan to run on Expanse, reached out to their staff on an Xsede ticket and haven't heard back after initial emails
 - Seems like there may just be a number of Nvidia cards that aren't configured to be able to work with vulkan
 - Trying to get access to more machines (New xsede startup allocations, and an info ticket submitted to the TACC folks about how to get access to Longhorn, Frontera, Lonestar)
- Streaming Technology for HPC
- Data Visualization Roadshow With Jeff Oliver and Kiri Carini
 - Jeff is setting up meetings with the Honors college
 - Need to arrange a time to debrief the previous semester before we start having presentations again
- Independent Study Abby Collier
 - Met with Abby and looked at her customized audio analysis program
 - Spent most of our time going over custom glsl materials as Keystone in the network, sounds like some real progress was made in terms of her understandings
- Stellarscape Astronomy Multimedia Dance Performance
- Virtual Nature
 - Trying to get in touch with Maria to hear her thoughts on hiring a student from UCF through the federal work study program

Consultations

- Martha Bhattacharya Cytoscape installation
 - She was affected by the maintenance last week but it sounds like

everything is fine again

- Laura Miller Math
 - Laura had to move her wednesday meeting back by another week, this has given me more time to test things out for the visit setup which still only works on linux

Upcoming

- TURN UP Festival Performance NYU/UA collab
- Volumetric Capture processing on HPC
- Has Faculty Collaborations With Holodeck
- Ray Tracing On The Hpc
- Observablehq Portfolio Of Data Visualization
- Jason Hortin Holographic Dance Graduate Project

Completed For Fiscal Year

Recently Completed

Workshops/Trainings

Completed Projects/Collaborations

Completed Consultations

Infrastructure Developed

Protocols and Analysis Developed