Data & Visualization Weekly Projects Report 2022_02_07

Active Projects

Active Development

- Cyverse Field Scanner Vis Tool
  - Will be meeting with Nirav, Eric Lyons, and Tyson to talk about working with a group of students on this project
  - I would be managing their development of a VR app to do visualization of David LeBauer's field scanner data
- Kay He Exoplanets
  - We are scheduling a time to meet and have our first discussion of this project.
- Kay He B2 Lung
- Marcos Serafim Touch Designer visualization of audio file as video data bending
- CATalyst data studio vis wall playlist
- Thermal Imaging Project
  - Completing the handoff process
  - Met to presesnt work, and helped them get allocation on the HPC
- Vulkan on HPC
  - Found that via Xsede anvil at purdue supports vulkan
  - Delaware's darwin has the gclibxx error that has happened on our systems too, but usually only affects vulkaninfo not vkcube or other programs
- Streaming Technology for HPC
- Data Visualization Roadshow With Jeff Oliver and Kiri Carini
- Independent Study Abby Collier
  - Connecting Abby with the folks at NYU who are also working on the Turn Up multimedia festival
  - Had a conversation about materials to teach in workshop coming up for the art department
- Stellarscape Astronomy Multimedia Dance Performance
  - Found out that I get to go to sxsw to run a live installation of my work at the u of a wonderhouse
  - Spent time working on making renders of the work for video editors to put together
- Virtual Nature
  - Met with Omani and got started on 3d processing and the beginnings of using Godot
  - Haven't heard from Maria in a little while

Consultations

- Visit remote visualization support
  - Met with Laura last week and was able to test the workflow with her data, will now write up confluence instructions
  - Figured out how to do rendering via OOD with Visit also

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 Calendar Year

Recently Completed

Workshops/Trainings

Completed Projects/Collaborations

Completed Consultations

Infrastructure Developed

Protocols and Analysis Developed