Olabisi Ojo

Mentor 1: Hector Corzo

Mentor 2: Sheryl Bradford

Home Institution: Albany State University

Target Course: Bioinformatics

Target Course Number: BIOL 3506

Anticipated Enrollment: 15 per semester (Fall and Spring)

Poster title: *HPC-Enabled Curriculum Enhancement of a General Bioinformatics Course at Albany State University.*

Project Goals:

- Introduce relevant basic programming/coding and HPC from Wk1-9
    - e.g. Get Student access to a Sc. Gateway (ACCESS-CI, ORNL, etc)
    - e.g. Review of bash (introduction to terminal, SSH, etc).
- Introduce HPC-heavy project-based modules in Wks 10–15
    - e.g. HPC for Structural Bioinformatics
    - e.g. HPC-Based Visualization of Large Biological Datasets
- Final exam as hands-on HPC -based project in Wk 17
- Local supercomputer (4GPU) setup for local HPC capacity building.

https://hackhpc.github.io/facultyhack-gateways24