Faculty Hackathon
Sept. 15 - Oct. 20, 2022

SGCI

HACKATHON

GATEWAYS 2022

Organizing Committee

Alexander Nolte - *University of Tartu, Carnegie Mellon University*
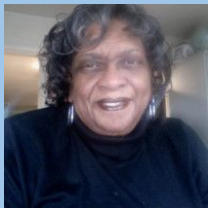alexander.nolte@ut.ee

Boyd Wilson - *Omnibond*
boyd@omnibond.com

Amy Cannon - *Omnibond*
amycannon@omnibond.com

Je'aime Powell - *TACC*
jpowell@tacc.utexas.edu

Linda Hayden **-** *Elizabeth City State University*
haydenl@mindspring.com

Josh Kissell- *Omnibond*
josh@omnibond.com

Overview

- The FacultyHack@Gateway2022 will involve five(5) teams of two(2) Computer Science faculty.

- Faculty will adapt High-Performance Computing (HPC) tools for use in their courses.

- They will leave with "ready-to-go" course outlines, supporting data, and identified resources.

- Each team will be assigned a technical mentor to help with this process.

Challenges include:

1) Attending all HPC training sessions

2) [Gateways 2022](#) conference attendance

3) Poster presentation of revised courses

Teams completing all three(3) challenges receive a $500(USD) honorarium.

Important Dates

Date and Time	Session Description	Trainer/Organization
Sept. 15th 5p-7p EST	KICKOFF Check-in #1: Team mentors will be assigned. Training: Jupyter Notebook, Code of Ethics	Je'aime PowellTACC Alex Nolte (Univ Tartu)
Sept. 22nd 5p-6p EST EST(virtual)	Check-in #2: Team introductions, Team Names, Team Theme Song, zoom backgrounds and 1-week goals.) Training: Poster template for final presentations	Jeff Wood SGCI
Sept. 29th 5p-7p EST EST (virtual)	Check-in #3: Teams give update on their progress and 1-week goals Training: Qwik Labs CloudyCluster in the Classroom	Boyd Wilson Ominibond
Oct. 6th 5p-7p EST(virtual)	Check-in #4: Teams give update on data sets, resources and use cases. Training: ORNL Pathways to Supercomputing for HBCUs/MSIs Training accounts created and has been given the names	Elijah MacCarthy ORNL
Oct. 13th 5p-7p EST (virtual)	Check-in #5: Teams report on their implementation timelines Training: Github	Je'aime Powell TACC
Oct. 18th 6p-8p PST (In-Person)	FINAL PRESENTATIONS Teams will present their revised courses during the conference poster session. Included on the poster will be a place for mentor's recommendations. That will be your contribution to the final report. The mentor does not have to attend the conference.	

Zoom Meeting ID: 994 892 3871 Passcode: 056133

Mentoring

- Mentors provide faculty with use cases, data sets, links to existing gateways and other resources they can use with their HPC revised courses. They meet with faculty at a time convenient for the team.

- WHAT MENTORS DO
  Late Sept through mid October. After the kickoff meeting, teams can arrange meetings with their mentor. Mentors meet virtually with the teams 1-2 times a week. Mentors will be introduced to teams at the kickoff.

- Based on their current work or research area, the mentors provide use cases, data sets, links to useful gateways and resources for use by faculty as they redesign their targeted courses to now include hpc and gateway content.

- After the kickoff meeting, teams can arrange meetings with their mentor. Mentors meet virtually with the teams 1-2 times a week. Mentors will be introduced to teams at the kickoff.

- Mentor/Team Assignments
  - John Holmen, HPC Engineer (NCAT/ACC team)
  - Boyd Wilson (ECSU team)
  - Elijah MacCarthy, HPC Engineer (WSSU team)
  - Verónica G. Melesse Vergara, Group Leader(Morehouse team)
  - Adonay Sissay (NSU team)
  - Charlie Dey (TACC) be a resource for the mentors