2020 HackHPC Mentor Overview

July 21, 2020

If you have not yet joined the Slack Channel, you are missing out!

https://cloudhpchack.slack.com/
Organizers

Alex Nolte - University of Tartu
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Amy Cannon - Omnibond
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Boyd Wilson - Omnibond
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Je’aime Powell - TACC
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Linda Hayden - ECSU
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Presenter: Je’aime Powell
Participating Mentors Introductions

- **Boyd Wilson** - *Omnibond*
  - Take a gateway of choice and port it to the cloud using CloudyCluster (CC) or JupyterLab Interface for WRF on CC
- **Sudhakar Pamidighantam** - *IU*
  - Create Workflows and Django plugins for post processing data
- **Joon Yee Chuah** - *TACC*
  - Repeatable example of how to aggregate data, generate a visualization using Dash or another visualization technology, and publish the data in an automated fashion
- **Je’aime Powell** - *TACC*
  - GCP-based Science Gateway Base
- **Charlie Dey** - *TACC*
  - Data interface and plotting for jupyter notebooks
- **Brandi Kuritz** - *TACC*
- **Christopher I. G. Lanclos** - *MVSU*
Connecting to Sessions

All Zoom sessions will have links provided by Brella.io
Hackathon Judging Criteria

Deliverables:

*(Posted to Group GitHub Repository)*

- Source code
  - Include Comments
- PDF of presentation
  - Team members with pictures
- README.md project description

Scored Areas:

- Viability / Usefulness (20 pts.)
- Creativity of execution (20 pts.)
- UX / Polish (10 pts.)
- Technical complexity (20 pts.)
- Collaboration (20 pts.)
- Presentation (10 pts.)
- Challenge Completed (20 pts.)

Presenter: Je’aime Powell
Mentoring Tips - You are the key!

- This is first and foremost a learning opportunity for students!
- Keep the project simple. Making it more complex is easy.
- Help students scope their own projects within the given frame / gateway.
- Be mindful of their time. Students might want to participate in other activities during the conference as well.
- Try to understand the student’s (technical) capabilities early.
- Don’t become project owner. Guide them but don't take over. It's ok when they struggle a bit.
- Help students to find solutions to (technical) problems but don't just give them away.
- Set up means of communication (e.g. through Slack).
Mentor Needs for Monday 27th

- 1-Slide with brief description of proposed project
- PEARC Registration (*Brella will block you if you are not registered*)
- Rough availability times for your team
- **MAKE SURE YOUR TEAM HAS A METHOD OF COMMUNICATION!!!!**

Available Resources

- Google Compute Platform Credits
- CloudyCluster Access
Questions & Concerns

- Hack HPC Site: [http://hackhpc.org](http://hackhpc.org)
- PEARC20 HackHPC Site: [https://jeaimehp.github.io/HackHPC-Pearc20](https://jeaimehp.github.io/HackHPC-Pearc20)
- PEARC20 Conference Site: [https://pearc.acm.org/pearc20/](https://pearc.acm.org/pearc20/)
- PEARC20 Zoom Session Links (Hackathon): [https://www.brella.io](https://www.brella.io)
The Hackathon Begins Next Week!

Monday July 27th @
1:00p(EST) / 12:00p(CT) / 10:00a(PT)

For more information join our Slack Channel:

https://cloudhpchack.slack.com/