intel

cloudycluster by Omnibond

Google Cloud

SGCI

globus online

TACC
TEXAS ADVANCED COMPUTING CENTER

XSEDE

# HackHPC@PEARC21 Kick-Off Meeting

PEARC21

# Agenda

- Introductions
- Ethics and Code of Conduct
- Hackathon Objective
- Deliverables and Resources
- Judging Criteria
- Schedule
- Mentor Project Overviews
- Team Formation

*Presenter:* Je'aime Powell

# Organizers

**Alex Nolte** - *University of Tartu*
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**Boyd Wilson** - *Omnibond*
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**Amy Cannon** - *Omnibond*
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**Je'aime Powell** - *TACC*
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**Linda Hayden** - *ECSU*
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# Ethics and Code of Conduct

Presented by Alex Nolte (Virtually)

University of Tartu

alexander.nolte@ut.ee

# The Objective of HackHPC

The hackathon aims to harness the resources, skills, and knowledge found in the HPC community in an effort to provide applied exposure towards students from 2-4 year post-secondary educational institutions. In short, the hackathon will provide HPC skills and training while targeting problems that directly affect the participants.

- Develop knowledge through application of data analysis/presentation or management.

## Student Outcomes

- Increased familiarity with data science in the cloud
- Experience collaborative software engineering
- Develop professional communication skills

# Team Deliverables and Resources

**Deliverables:**

- **Source code Including Comments**
- **PDF of presentation**
  - Team members with pictures
  - Use of HPC technology in the project
- **Github Link**
  - README.md project description

**Resources:**

- Mentors/Specialists
- Slack (Ad-Hoc Communication)
- Google Cloud (Provided Credits)
- Cloudy Cluster
- Most Commonly Used:
  - Python
  - Jupyter Notebooks
  - Node.Js (JavaScript)
  - HTML
- Datasets

# General Information (the 3 T's)

- **Teams**
  - 4-5 Students
  - 1 Primary Mentor
  - 1 Specialist/Staff
- **Time**
  - July 8th - 12th
    - 7/8@~6pm ET Event Start
      - Team formation
    - 7/[9-12] @ 11 ET & 6pm ET- Checkins
    - 7/12@6pm ET-Final Presentations
- **Topic Examples**
  - Data Analysis of COVID 19
  - Economic disparities and their effects on college participation
  - Genomics, Molecular Dynamics, or Weather Modeling in the Cloud.
  - Social Justice
  - AI-based Crowd Status
  - Public Data Management
  - Graduation Rates
  - Broadband Access
  - Insurance vs. Public Health Resilience

# Judging Criteria

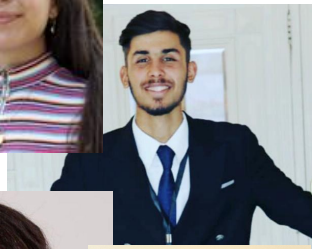
# Schedule

# Mentors and Staff



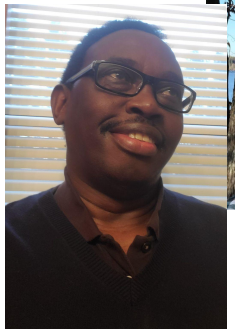










HackHPC@PEARC21

HackHPC.org

# Mentor Project Overviews

# Team Formation