



# **Kick-Off Session**





## **Agenda**

- Organizers
- Hackathon Objectives and Student Outcomes
- Code of Conduct
- Example Project Timeline
- Deliverables and Resources
- Awards
- Portal Pitches
- Team Creation

















### **Organizers**



**Linda Hayden** - *ECSU/SGCI* haydenl@mindspring.com



Amy Cannon - Omnibond amycannon@omnibond.com



**Alex Nolte** - *University of Tartu* <u>alexander.nolte@ut.ee</u>



Boyd Wilson - Omnibond boyd@omnibond.com



Je'aime Powell - TACC ipowell@tacc.utexas.edu



Charlie Dey - TACC charlie@tacc.utexas.edu











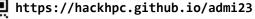




#### **Code of Conduct**

















## The Objective of HackHPC@ADMI23

This hackathon aims to harness the resources, skills, and knowledge found in the Science Gateways community in an effort to provide applied exposure towards students from 2-4 year post-secondary educational institutions. In short, the hackathon will provide skills and training while targeting problems that occur within the Science Gateways and Cyberinfrastructure community.

#### **Student Outcomes**

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













#### **Example Project Outline**

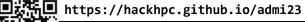
#### **Event Simplified Schedule**

- Monday, 6/26/23
  - Kick-Off
    - <u>Mentor Pitches</u> & Team Formation
    - Afternoon Team Introductions
- Tuesday, 6/27/23
  - Morning Checkin Team Goals
  - Afternoon Checkin Team Status
- Wednesday, 6/28/23
  - Morning Checkin One-Day Progress
  - Afternoon Checkin Status
- · Thursday, 6/29/23
  - Final Presentations

- ~ 76 hrs Total Time
- ~7 hrs Planning / Checkins
- ~30 hrs Sleep/Rest
- ~59 hrs Work Time



















#### **Deliverables and Resources**

#### **Deliverables:**

- Source code Including Comments
- PDF of presentation and poster
  - Team members with pictures
  - Use of technology in the project
  - Project impact to the Science Gateways community
- Github Repository Link
  - README.md with project description

#### Resources:

- GitHub
- Omnibond Eureka
- Most Commonly Used
  - HTML/CSS/JavaScript
  - Python (Dash/Flask)
  - Jupyter Notebooks
  - GitHub Pages (Jekyll)
  - Repl.it (Collaborative Environment)
- Slack
   SGCI/SGX3 Coding Institute 2023















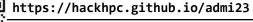




### **Awards and Judging Criteria**

















### **Awards and Judging Criteria**

















# Portal Pitches









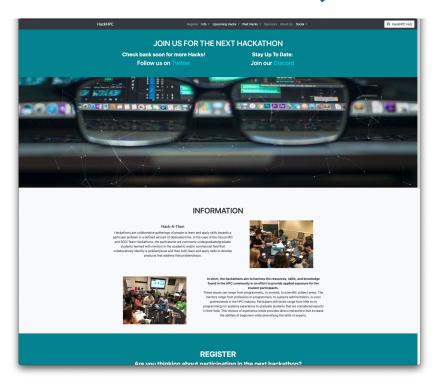








## HackHPC / OHA (HackHPC.org)





















#### ADMI23 HACKATHON

# HackHPC@ ADMI ADMI 23 HACKATHON JUNE 26TH - 29TH 2023

I SGCI I TACC



- Help recreate and fix any issues to
- HackHpc/OHA website.

Pitch idea

Using front end development



Je'aime Powell

Email: jpowell@tacc.utexas.edu

#### Purpose

To support driven learners to step foot in our Gateway and gain similar opportunities!



Josselyn Salgado

Email: josselyns45@gmail.com

#### **Programs to be Used:**

- HTML
- Python
- Java Script



Hector Santiago

Email: hector.m.santiagoiii@gmail.com



## **ADMI** (admiusa.org)

















# ADMI Website Reimagined

Dr. Alfred R. Watkins
VP of Information,
Association of Computer
Science Departments at
Minority Institutions (ADMI)

# Agenda

Project Description

Helpful Skills to Have or to Hack









Monday, June 26, 2023 ADMI 16



# Introduction

- Alfred R. Watkins, PhD
- ADMI Website Today
- ADMI Website Reimagined

Monday, June 26, 2023 ADMI 17

# Project Description

ADMI Website Reimagined - How can you enhance the look, feel, and capabilities of the ADMI website with HPC tools? Ideas might include

- (1) adding a data repository for sharing Computer Science teaching modules and projects,
- (2) adding a data visualization to analyze ADMI symposium attendee data, or
- (3) incorporate Artificial Intelligence into the website experience.

# Useful Skills to Have or to Hack

- 1. web development skills (HTML, CSS, Javascript, PHP, etc.)
- 2. database management (e.g. MySQL)
- 3. data visualization (e.g. Attendance statistics)
- 4. Al tools (e.g. ChatGPT)



















https://hackhpc.github.io/admi23

#### **Team Formation**

**Next Session:** 

- Afternoon Checkin Team Introductions [6/26/23] 3:30pm ET
  - 1-Slide/1-Minute with:
  - Team Name
  - Team Mentor(s)
  - Team Members
  - Team Zoom Virtual Background
  - Team Theme Song

