

HACK THE THREAT 23:

ORIENTATION SESSION

February 23, 2023

[HTTPS://HACKHPC.GITHUB.IO/HACKTHETHREAT23](https://hackhpc.github.io/hackthethreat23)



ORGANIZERS

HACK THE THREAT 23

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AGENDA

HACK THE THREAT 23
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1. Hackathon Objectives and Student Outcomes
2. Sample Project Timeline
3. Deliverables and Resources
4. IDEA-Hack



Join our Discord Server
<https://discord.gg/Y927CbuHSv>

SFU

SIMON FRASER
UNIVERSITY

TACC
TEXAS ADVANCED COMPUTING CENTER



Hackathon Objectives and Student Outcomes

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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 and create solutions to identified Environmental, Cybersecurity, and/or Social Threats 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

Example Project Timeline

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- Pick a problem/project
- Identify Milestones (Major/Minor)
- Identify possible “roadblocks”
- Set Goals/Tasks as a team
- **[Hint: Have a lead for each goal]**
- Morning and Afternoon check-ins
- Present your product(s)
 - Repo with code and data
 - Demonstration
 - Presentation

Judging Criteria

- Project Impact
- Viability / Usefulness
- The creativity of execution /Wow-effect
- UX / Polish
- Technical complexity
- Collaboration
- Presentation
- Completeness

Student Deliverables and Resources

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Deliverables:

- Github Repository
 - README.md with project description
 - Source code Including Comments
 - Presentation
 - Team members with pictures
 - Use of technology in the project
 - Project impact to the community

Resources:

- Amazon Web Services (Provided Credits)
- Commonly Used:
 - Python
 - Jupyter Notebooks
 - Node.Js (JavaScript)
 - Repl.it (Collaborative Environment)
 - HTML\CSS
- Discord -



<https://discord.gg/Y927CbuHSv>





Click the Team Number
Corresponding to your Breakout
Room Number

[TEAM 1 Dataset Link](#)

[TEAM 2 Dataset Link](#)

[TEAM 3 Dataset Link](#)

[TEAM 4 Dataset Link](#)

YOUR TASKS

As a team:

- Pick a team name
- Create 2-slides to present your below findings in less than 2-minutes

From the provided dataset:

- Describe the dataset
- What threat (Environmental, Cybersecurity, or Social) could this dataset be used to address?
- What question could you ask/answer using this dataset?
- Are there any problems with the dataset (i.e. formatting for use, from a trustworthy source, etc.)

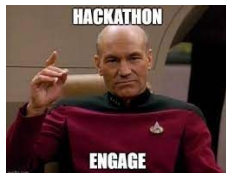


QUESTIONS ??

Next Sessions:

- Mentor Training [2/28/23]

- Kick-Off [3/2/23]



Schedule:

<https://hackhpc.github.io/HacktheThreat23/schedule>

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