

2025 Hacked



Presented by  LANTERN

Treaty 6

The University of Alberta respectfully acknowledges that we are located on Treaty 6 territory, a traditional gathering place for diverse Indigenous peoples including the Cree, Blackfoot, Metis, Nakota Sioux, Iroquois, Dene, Ojibway/Saulteaux/Anishinaabe, and many others whose histories, languages, and cultures continue to influence our vibrant community.



Safety

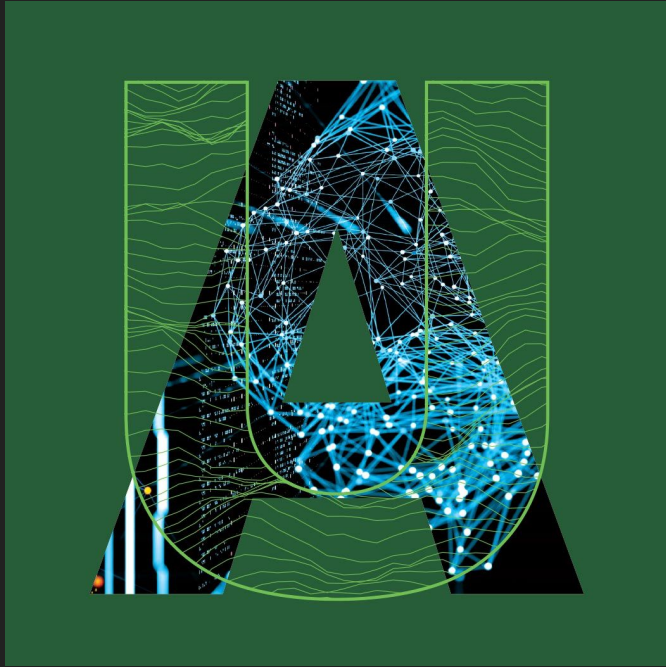
1. Zero tolerance for sexual harassment, misconduct, violence or threats to other participants during the event
2. Please arrange safe rides home, THIS IS NOT AN OVERNIGHT EVENT
3. Join the discord to stay up to date with major changes
4. Be smart and be safe!

Sponsors (Title)



LANTERN

Sponsors (Gold)



GARMIN®

Sponsors (Other)



Thank You!



Engineering
at Alberta



You must fill this in to join discord



General Guidelines

48 hours to build a software or hardware project
(groups of 5 people max)

No code can be written before **Hacking Start Time**
(announced on Discord and in-person)

Push all your code to a Github Repo, create a
Devpost, and get judged for prizes!



General Schedule - Check Discord

Saturday

10:15 AM - Opening Ceremonies

When announced! - Hacking Starts!

12 - 4 PM - Workshops

6/7 PM - Dinner

10 PM - Doors Close



General Schedule - Check Discord

Sunday

9:00 AM - Doors Open

12 - 4 PM - Workshops

6/7 PM - Dinner

10 PM - Doors Close



General Schedule - Check Discord

Monday

9:00 AM - Doors Open

When Announced! - Hacking Ends! And Judging Begins

6:00 PM - Closing Ceremonies



Workshops

Saturday

12 - 1 PM : Intro to Git: Noah Batiuk

2 - 3 PM : React Dev: Noah Batiuk

3 - 4 PM: ML: Zony Yu

Sunday

1 PM: Embedded Rust: Steven Knudsen



Mentors

Steven Knudsen

Cameron Bute

Noah Batiuk

Joseph Hughes

Fred Dury

Nicholas Almedia

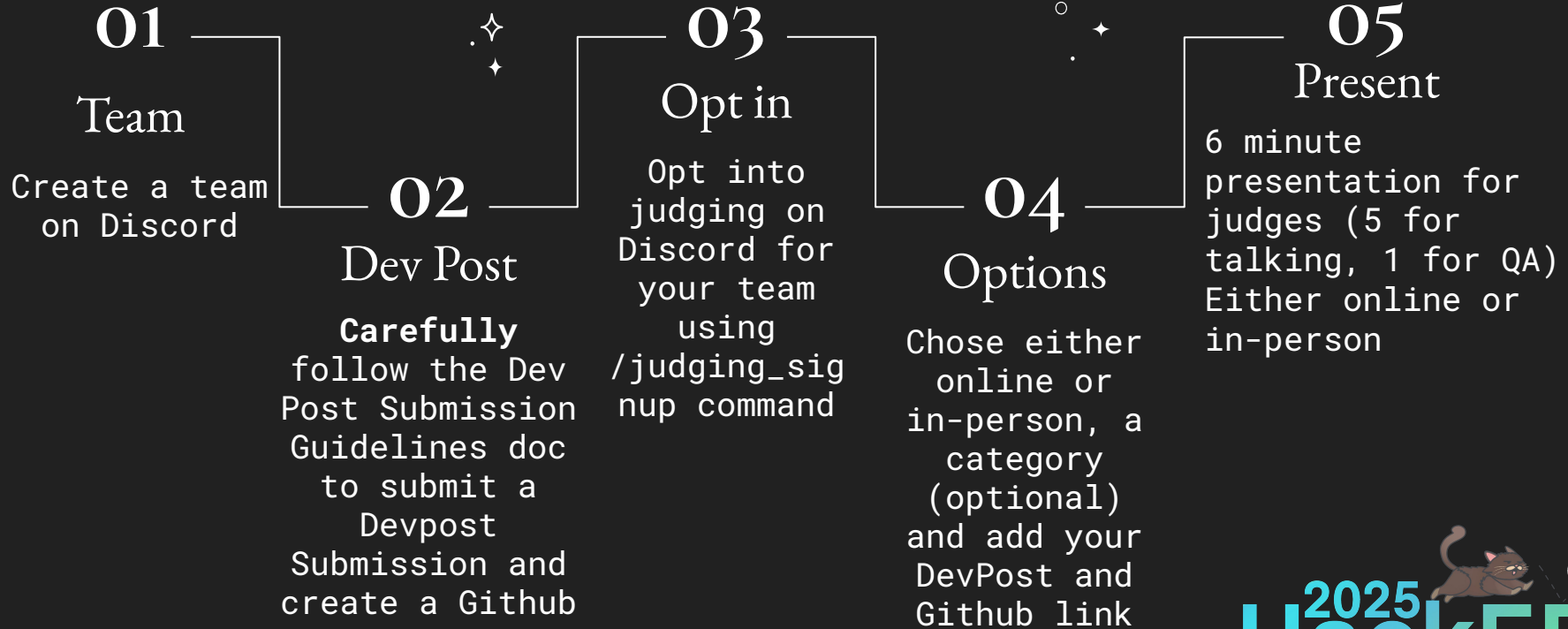
Troy Murphy

Dana Marsh

Thank You



Judging



No Edits After Hacking Time Ends

1. You must submit to Devpost
2. Opt into Judging
3. Stop Pushing to Github

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Prizes: HackED Main Prizes

Criteria

There is no theme! Create whatever you like!

- Execution: How well does it work?
- Complexity: How much skill was required to create it?
- Polish: Are there significant bugs? Is it presentable?
- Originality: Have we seen it before?
- Utility: Can it address a need/improve someone's life?

Prizes: Hardware

Criteria

There is no theme! Create whatever you like! Include Hardware!

- Execution: How well does it work?
- Complexity: How much skill was required to create it?
- Polish: Are there significant bugs? Is it presentable?
- Originality: Have we seen it before?
- Utility: Can it address a need/improve someone's life?

Prizes: CBC



Originality

Build a project that introduces a novel or unique solution to a problem.

CREATIVITY: How innovative is the idea? Have we seen this type of project before?

EXECUTION/POLISH: How well does it work? Are there significant bugs? Is it presentable?

COMPLEXITY: How difficult was it to develop? How much technical skill did it require?

IMPACT: How does this project push the boundaries of conventional solutions?

Prizes: CBC

Bettering People's Lives

Build a project that contributes to societal well-being or addresses a meaningful problem.

UTILITY: How much potential does it have to make a difference for underrepresented/marginalized groups or the broader community?

ACCESSIBILITY: What has been done to improve accessibility for users with different needs? (e.g., dark mode, adjustable font size, intuitive navigation)

EXECUTION/POLISH: How well does it function? Are there major usability issues or bugs?

SCALABILITY: Can this project be realistically implemented at scale to reach more people?

Prizes: Engg Department

Prompt:

A team must consist of all members being part of the engineering department, and it must be one of these departments (follows main HackED Judging criteria):

- **Department of Civil and Environmental Engineering:** Enrolled in Civil Engineering, Environmental Engineering, Mining Engineering, or Petroleum Engineering at UofA
- **Department of Chemical and Materials Engineering:** All members of the team must be students enrolled in either Chemical Engineering or Materials Engineering at the University of Alberta (including any options thereof, e.g. Computer Process Control).

Prizes: DivE

Digital Accessibility Prize

Offered in collaboration with Diversity in Engineering and the Faculty of Engineering Office of the Dean.

Problem Statement

Build a project that improves digital accessibility in some manner - that is, makes a piece of software (e.g. web, desktop application, OS) more accessible. DivE has prepared some introductory information on digital accessibility and project suggestions.

Criteria:

Utility: How much potential does it have to make a difference for people with accessibility needs?

Execution/Polish: How practical/easy-to-use is it for day-to-day use? How well does it work? Are there significant bugs?

Accessibility: Is its interface accessible to a variety of users?

Complexity: How difficult was it to make? How much technical skill did it require?

Originality: Is it a common solution or is it something that we don't see frequently? Was there creativity put into the idea/execution?



Good luck!

You may begin.

