

Cleveland Metroparks

2018 - Hackathon



What is a Hackathon?

- ▶ A **hackathon** is a design event in which programmers, engineers, developers, designers, and others, often including subject-matter-experts, collaborate intensively on software or hardware projects. These can include:
 - ▶ Mobile App
 - ▶ Hardware
 - ▶ Software
 - ▶ Misc.



What are the goals of the Hackathon?

- ▶ Gather and investigate creative ideas by community
- ▶ Reach out to varying demographics
- ▶ Publicize knowledge about technology in use at Cleveland Metroparks
- ▶ Increase collaboration with other technological entities



Stages



- ▶ Attendees & Guests Register
- ▶ Kick-Off Meeting: Westcreek Stewardship Center - Friday April 6, 2018
- ▶ Groups work on their own and with their mentors (April 6 - 29th)
- ▶ Presentation & Awards (by invite only): Sunday April 29, 2018 at Stillwater Place at Cleveland Metroparks Zoo



Tracks

- ▶ **Conservation**: Pat Lorch, Field Research Manager
 - ▶ How can existing data sources (e.g., water quality, air quality, weather data) be used to measure the impact of urbanization or climate changes on habitats, park infrastructure, and biodiversity?
- ▶ **Nature Education**: Jake Kudrna, Naturalist
 - ▶ Park guests frequently have questions about things they've seen on our reservations. How can they quickly get their questions answered by one of our naturalists? Their questions may be about something they've seen, heard, smelled, or touched
- ▶ **Health/Fitness**: Trishna Desai, IT Business Analyst
 - ▶ Outdoor experiences are more frequently being prescribed as a healthcare management tool. How can we use data to show the health benefits of living in proximity to or participating in physical activities in Cleveland Metroparks as it relates to general health, air quality, water quality, asthma incidence, etc.?
- ▶ **Open Track**: Joseph Roszak, Chief Operating Officer
 - ▶ The Cleveland Metroparks Hackathon is open to all ideas that align with our mission of conservation, education, and recreation. This track is for teams who have an idea that exists outside of the other tracks.



What is required in the final proposal?

- ▶ 1 page executive summary
- ▶ 5 - 10 minute presentation on your project (preferably demonstrating solution)
- ▶ Prototype of your solution
- ▶ Continuing project plan detailing what you would do if you had more time and/or resources to complete the project

Overall Presentation & Executive Summary

Meeting Cleveland Metroparks Goals/Tracks

Creativity

Feasibility/Scalability

Implementation Plan

Execution/Completeness



Engagement

- ▶ Sponsors
- ▶ Tech Meet Up Groups
- ▶ Internet of Things (IoT) Consortium - CSU, CWRU, Cleveland Foundation
- ▶ Colleges/Schools: Engage before semester begins
- ▶ Worked with other Hackathon Event Creators: Erie Hack



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