# Sponsor Challenges

- Our sponsors have their own great challenges, with prizes for the best use of their technology!
- Visit hack.osu.edu/2016/challenges for the full list.

# Campus Map+

Idea submitted by Danny Dotson

- Build a campus map with the ability to find locations based on multiple criteria. Some possible criteria:
  - Coffee
  - Food
  - Vending Machines
  - Study Spaces
  - Libraries
  - Parking (different types?)
  - Public computers
  - ATMs
  - Construction obstructions
- App should be easily updatable if something changes.
- Walking and driving directions.

# Free Parking Finder

Idea submitted by Undergraduate Student Government

- Based on the time and day, find free parking around campus.
  - Similar to what Car2Go does with its parking spots.
- Restrictions to consider:
  - City restrictions
  - Permit areas
  - Street sweeping
  - Campus restrictions
  - Gameday restrictions
- Can start with Columbus and expand from there!

# Tinder for Student Orgs

Idea submitted by Undergraduate Student Government

- Swipe right or left for student organization meetings, events, etc.
- Each student organization can have access to post events on it, and students can swipe right to show interest and/or RSVP.
  - Could have an option after swiping right that asks for level of interest, why students are interested, etc.
- Students can define criteria for the type of events they want to see (field of study, undergrad vs. grad, etc.)

# Wikipedia Vandal Stats

Idea submitted by Kevin Payravi from Wikipedia Connection

- Wikipedia sees thousands of edits a day. Unfortunately, not all of them are done with good intention! Hundreds of editors monitor Wikipedia's recent changes to find and catch vandalism. It would be nice to know what periods of the day have the most vandalism.
- Using MediaWiki's Recent Changes API on Wikipedia and ORES, provide a live view of what percent of edits coming in are vandalism over time.

# Wikipedia Copyvio Finder

Idea submitted by Kevin Payravi from Wikipedia Connection

- The [Wikimedia Commons](#) (Wikipedia's sister project) is a repository of *freely* licensed images. Not everyone uploads free images, however.
- Create an app that patrols the [latest uploaded files](#), and identifies pictures as likely copyright violations (cover art, movie scenes, video game scenes, press images, etc.).
  - May use the [MediaWiki Allimages API](#)

# Scam Alert

Idea submitted by Arnab Nandi

- Create a browser extension that detects if a webpage or email is part of a chain email, phish, scam, or hoax.
  - For finding hoaxes, you could try querying Snopes.com.

# Instant Slideshow

Idea submitted by Arnab Nandi

- Make an app or website that makes a slideshow for you as you talk. One approach:
  - Use Chrome's Speech Recognition API to recognize words that people are speaking.
  - Recognize important words using Open Calais
  - Pipe the words to Flickr to get nice images
  - Automatically create fancy, animated slides with nice images and important words/transitions.

# Oulipo Writer

Idea submitted by Zoe Brigley

- The Oulipo Poets were a French group of writers seeking to explore the links between poetry and mathematics. An Oulipo App would allow you to feed a piece of text in, and for it to be transformed via Oulipo techniques such as…
  - "N+7" in which the writer takes a poem already in existence and substitutes each of the poem's substantive nouns with the noun appearing seven nouns away in the dictionary.
  - Lipograms - leaving out one letter of the alphabet (http://en.wikipedia.org/wiki/Lipogram).
  - The Prisoner's Constraint - a lipogram that omits "letters with legs" (b, d, f, g, h, j, k, l, p, q, t, and y).

# Awesome Counter

Idea submitted by Arnab Nandi

- One of HackOHI/O's mottos is "let's create something awesome". Using Amazon Echo's API, create an app that counts the number of times Echo hears the word "awesome" said per day. Then try to find a way to make this word counter useful!

# Blue Eyes: Menu Reader

Idea submitted by Steve Fischer

- Most menus at campus dining locations are digital or print, which can present an accessibility program. Create a mobile application that uses beacons and low energy Bluetooth to read a restaurant's menu to a visually impaired user when they're nearby. For this solution, 1 or more beacons would be attached near the menu board. If a person has the app installed and location services enabled, when they're close, they would be asked if they would like the app to read the menus to them. The device's build-in accessibility features can be used to read the menu to them.

# Bridge to Open Source

Idea submitted by Carey Matthew Black

- Many student developers want to contribute to open source, but don't know where to start!
- Create an application that matches a developer's technical ability to open source projects they could potentially contribute to.
  - Can use both a developer's experience and skillset to find projects.

# Concierge as a Service

Idea submitted by Arnab Nandi

- Use Twilio's API to create a phone interface that calls you every day to say "Good Morning" and reminds you about your friends birthdays, etc. If your calendar lists phone numbers, it should automatically dial it / create a phone conference and connect you. If a meeting is running over, it should call you at the end, so that you can politely leave the meeting by saying "I'm sorry I have a phone call coming in...."

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