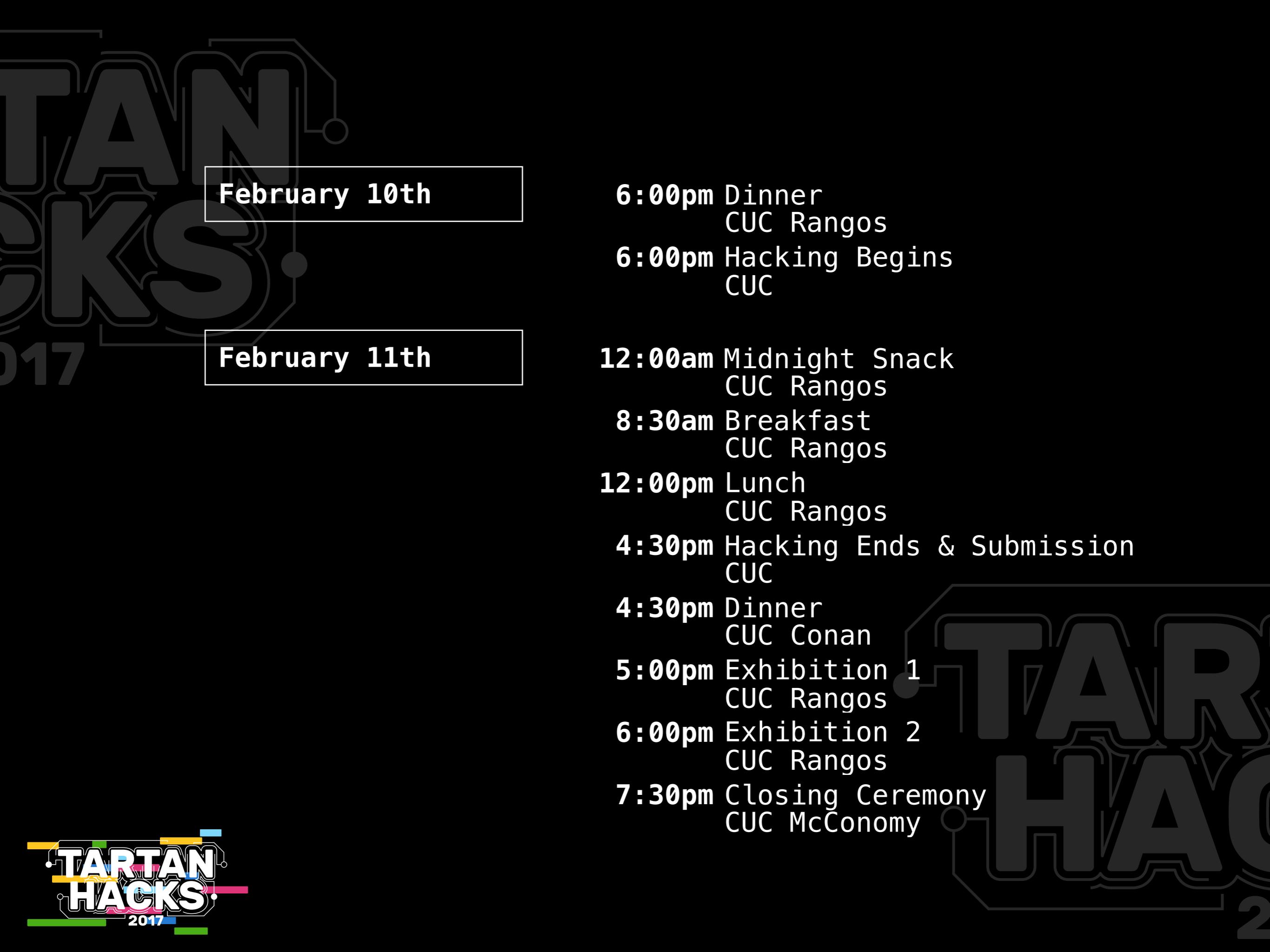




Hosted with ❤ by ScottyLabs



February 10th

6:00pm Dinner
CUC Rangos
6:00pm Hacking Begins
CUC

February 11th

12:00am Midnight Snack
CUC Rangos

8:30am Breakfast
CUC Rangos

12:00pm Lunch
CUC Rangos

4:30pm Hacking Ends & Submission
CUC

4:30pm Dinner
CUC Conan

5:00pm Exhibition 1
CUC Rangos

6:00pm Exhibition 2
CUC Rangos

7:30pm Closing Ceremony
CUC Mcconomy



.2017

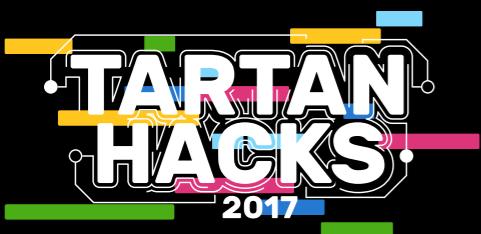
How-to





Communicate

- Facebook: Mark yourself as “going” to TartanHacks, turn on notifications
- Email List: Check for emails on the TartanHacks-accepted mailing list
- Snapchat: WE HAVE A SNAPCHAT FILTER



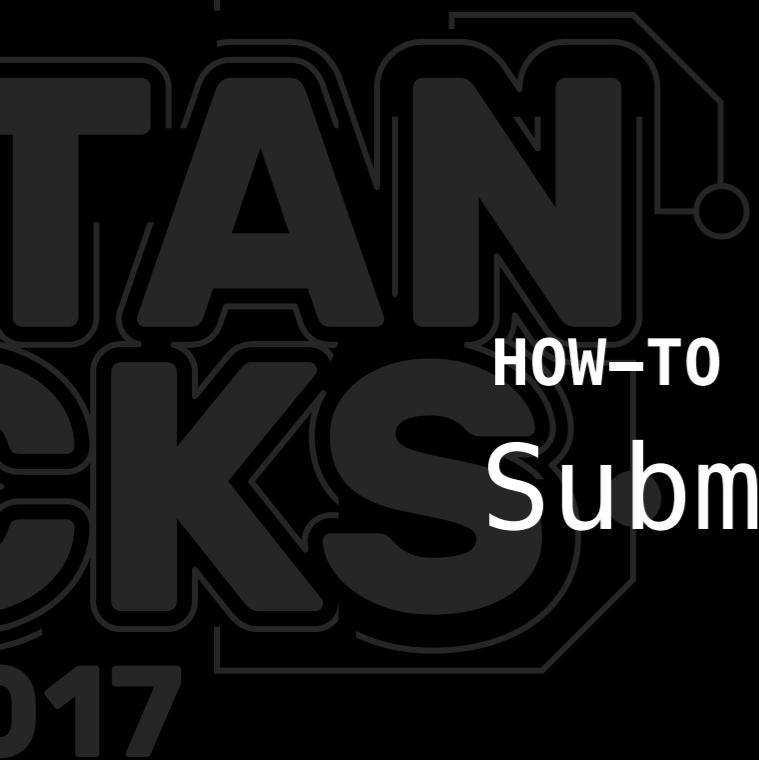


HOW-TO

Request Mentors

- tartanhacks.com/help
- We are using GitHub issues to assign mentors
- You may need to create an account





Submit Your Hack

- Hacks will be submitted through Devpost (requires account)
- Submissions are due at 4:30 tomorrow!
- We will have two expos, then a closing ceremony





2017

Prizes





ScottyLabs Prizes

- First Penguin Prizes
 - Be like Randy Pausch's first penguins: take the first dive!
- ScottyLabs Grand Prize





Social Impact

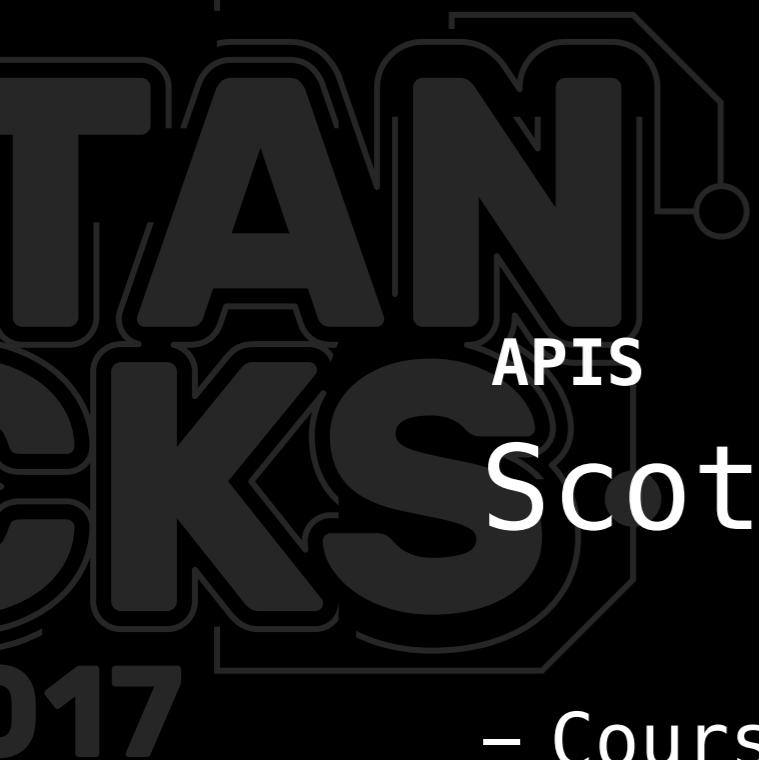
- APT: Using data to positively impact the community
- Rockwell Automation: Improving humans' impact on the environment
- GoDaddy: STEM and Art Education
- Student Senate: Improving Student Life
- Duolingo: Creating an app to improve education
- Google: Lasting Change



.2017

APIs





ScottyLabs APIs

- Course: Course descriptions, FCEs, and schedules
- Dining: CMU dining locations and hours
- Directory: Contact and directory lookup for students and faculty
- scottylabs.org/#apis





Company Talks

Some of our sponsors would like to introduce themselves to you.

Many of them have powerful APIs that let you build powerful projects that interact with real-world systems.





Carnegie Mellon University
Senate

Sushain K. Cherivirala, Christina Ou, Benjamin Johnson-Staub,
Devin Gund, Michael Gormley, Kelly Kim

Co-Sponsored by: Office of the Vice Provost
Division of Student Affairs

“Student Impact” Category

Goal: Improve CMU Student Life

Examples:

- Qualitative course review website (e.g. Principedia at Princeton)
- App combining all information students need (dining, maps, directories, etc.)
- System improving the dining experience by monitoring wait times



Prizes and Judging

Grand Prize: Team wins \$1500, works with admin about implementation

Runner-Up Prize: Team wins \$1000

Criteria:

- Potential impact on CMU body
- Feasibility of implementation
- Originality and creativity
- Long term impact
- Usability





PROVO
DALLAS
SEATTLE
DUBLIN
SYDNEY

qualtrics

error reporting(E_ALL ^ E_NOTICE);

POST /DataRetrieve HTTP/1.1

Host: 192.168.1.1

Content-Type: application/octet-stream; charset=utf-8

Content-Transfer-Encoding: base64

Content-Length: 6239

<?xml version="1.0"?>

<encrypted-wrapper>

<m:SecureHeader>****</m:SecureHeader>

<m:SecurityArray>*****</m:SecurityArray>

</encrypted-wrapper>

<verifiedToken>

Greg Kimmel | Cyber Innovations Business Line Leader

</verifiedToken>

</xml>

```
var method = (("https:" == document.location.protocol)?  
    "post": "get");  
var url = ("https://ssl" + "http://www");  
document.write(unescape(script "" + getVarHost + ".js" type="text/  
report value $8268;  
var pageTracker = ga.getSecure("d9xks0o99");  
webSecurity.Analyze();  
webSecurity.TrackLocation());
```

Who is Battelle?



- \$6 billion/year global R&D enterprise located in Columbus, OH
- Non-profit, charitable trust formed in 1929 by the Will of Gordon Battelle to provide contract R&D for the betterment of the world
- More than 20,000 employees in over 100 world-wide locations
- Serving government and commercial customers in National Security, Cyber, CBRNE, Critical Infrastructure, Energy, Environment and Medical industries
 - Net income invested in science & technology, education and charity
 - Responsible for many familiar technologies and products

Mini CTF and Prizes

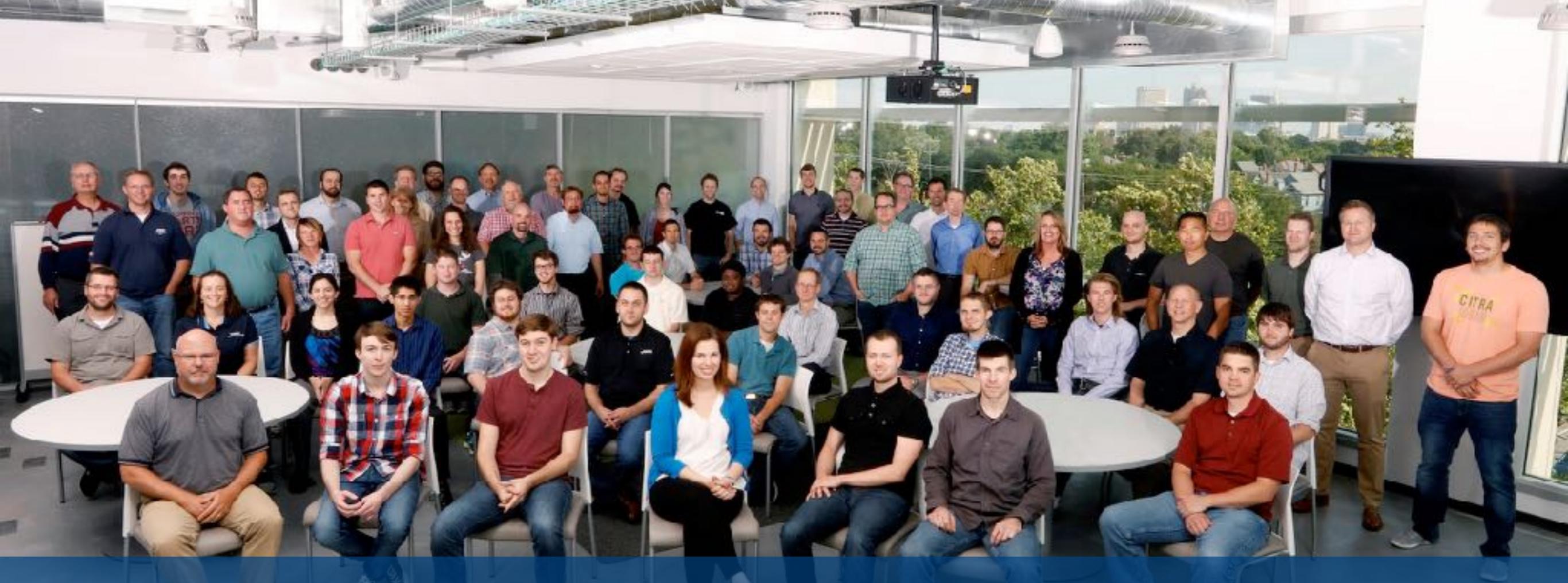
Test your skills

BattelleCyberChallenge.org/Hackathon

The screenshot shows the 'Challenges' section of the Battelle CTF website. The challenges are organized into categories:

- shellcode**: Undercover Unicorns (10 points)
- pwn**:
 - pwn1 (2 points)
 - Python Jailbreak (3 points)
 - Major Malfunction (3 points)
 - pwn2 (4 points)
 - So Sanitize Much Secure (6 points)
- reversing**:
 - LEG (2 points)
 - Intel-igent (4 points)
 - billygoat (6 points)

- The first two students to solve 'Undercover Unicorns' will receive a Chromebook.
- The first two solvers for all other problems will receive a Raspberry Pi.



BATTELLE

It can be done

800.201.2011 | solutions@battelle.org | www.battelle.org/cybercareers



BNY MELLON

BNY Mellon

Make Your Mark. Lead. Innovate.

Global Talent and Development

Campus Strategy and Pipeline Development

2016-2017

BNY Mellon: Built for Investors

BNY Mellon: By the Numbers

At June 30, 2016

\$29.5 trillion

Assets under custody and/or administration

\$1.7 trillion

Assets under management¹

\$2.1 trillion

Average tri-party repo balances²

\$196.9 billion

Private client assets

The Investments Company for The World

BNY Mellon is an investments company. We provide investment management and investment services that help you invest, conduct business and transact in markets all over the world.

Powering the Investment Lifecycle

We provide services for every phase of the investment lifecycle. Whether you're looking to create, trade, hold, manage, distribute or restructure investments, we can help.

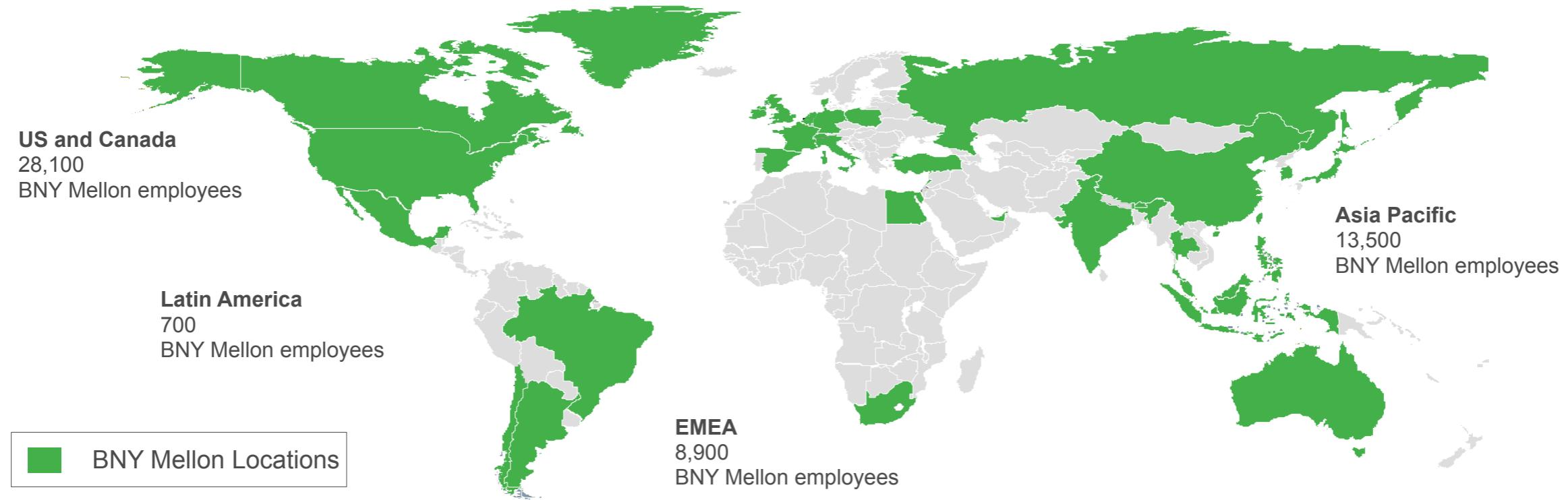
Turning Insights into Action

In a profoundly challenging world for investments, BNY Mellon transforms insight into action and can help investors find their way.

See important disclosures and disclaimers in Appendix.

Our Presence

BNY Mellon Operates in 35 Countries and Over 100 Markets



Global Service, Local Delivery

- Powered by the collaborative and collective efforts of over 52,200 people around the world
- Seamless global network for cross-border speed, convenience and reliability
- Our experts are located in-market and on-the-ground for close collaboration with clients

Numbers of BNY Mellon employees as of 12/31/14.

Join us!

- Stop by our table for more info (and some swag!)
- Learn more about career opportunities at BNY Mellon by taking our Career Quiz at www.bnymellon.com/careerquiz
- Learn more about our Summer Analyst Program at www.bnymellon.com/campus



CMU Hackathon

We'll be looking for projects that are **investment / finance focused, creative, and have a meaningful impact** on peoples' lives.

Meet Our Team



Blain Barton
Technical Evangelist



Dave Voyles
Technical Evangelist



Ian Philpot
Technical Evangelist



Best Microsoft Hack



Microsoft Azure cloud, including, but not limited to:

- o Machine learning
- o Virtual machines
- o Webhosting
- o Databases



Visit aka.ms/api.lib for a complete API list and aka.ms/azure.all to see all qualifying cloud services.

Come by our table....

First 200 hackers to fill out a survey get a **Hoodie Pillow** and entered in the raffle for the **Beats Solo2 headphones!**



Microsoft Azure

Azure Passes – Come see us!



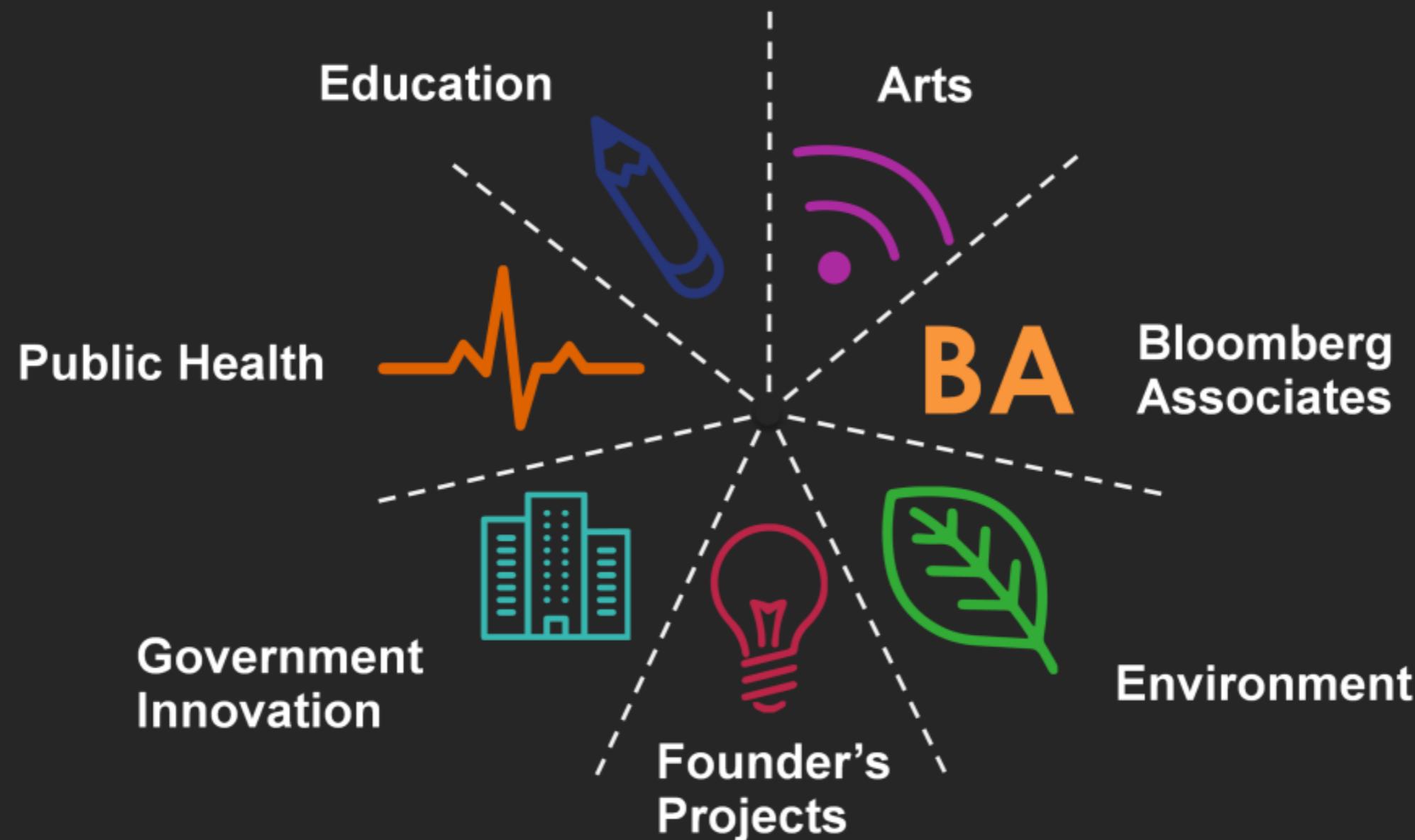
Microsoft Virtual Academy



Channel 9

Bloomberg Philanthropies

Create Better, Longer Lives for the Greatest Number of People



Bloomberg Philanthropies

1,700 non-profit partners

15,156 articles of clothing collected for charity

Propose a project today related to Education, Arts, Public Health or Environment to win \$2000

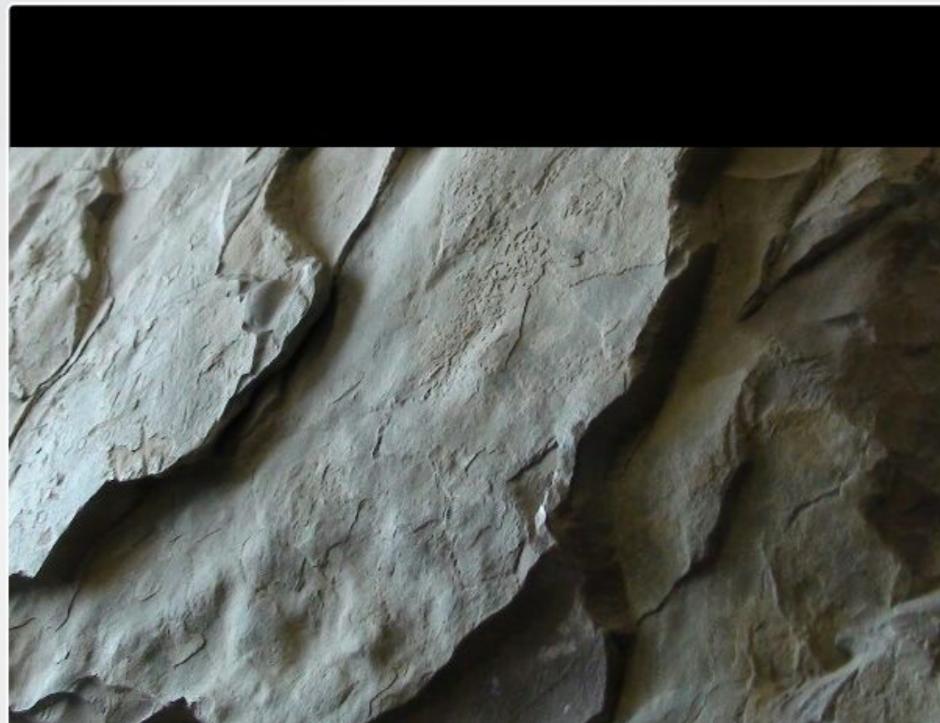
\$300,000 donated to disaster relief

11,120+ unique volunteers

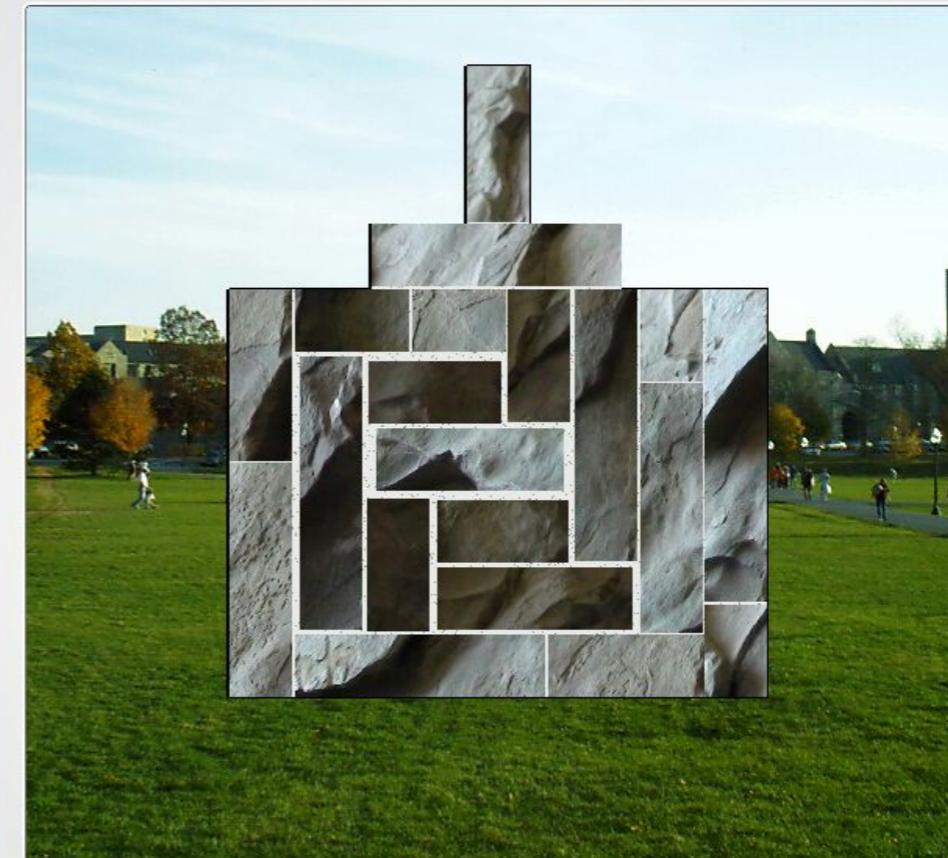
3,600 mentors

128,739+ volunteer hours

Puzzles, Competitions, and SWAAAAAGGGG



Stone Quarry



Gates Center



CAPITAL ONE HACKATHON API

You're the bank. How will you reimagine banking?

<http://api.reimaginebanking.com/>



Where To Go Now

- McEconomy: Team Mixer
- Rangos: Food and sponsors
- Reserved hacking spaces





TARTAN HACKS

CLOSING
Sponsors

- Facebook
- Google
- BNY Mellon
- Capital One
- Duolingo
- GoDaddy
- APT
- Bloomberg
- Microsoft
- Qualtrics
- Battelle
- Rockwell Automation