hackcooper

HackCooper.org | hosted by **create@cooper** | create@cooper.edu

HackCooper is Cooper Union's student hackathon, run by create@cooper. On October 12th, 2018, 350 makers and hackers will join us for 24 hours of work and fun in a unique environment, just as they did in years past. Our first three hackathons were resounding successes, distinguished by our lively East Village location, imaginative hardware and software hacks, and a creative atmosphere consisting of students from our Engineering, Art and Architecture schools, as well as other schools across the country. Students will have the opportunity to hack on web, mobile, and hardware applications, with all the resources of a premiere design and engineering school at their fingertips!

HackCooper is differentiated from other student hackathons by our unique hacker population. To quote past statistics, 98% of our hackers have expertise in software engineering and 83% are experienced with the rarely-explored "other side" of hackathons: hardware hacks that integrate software into the physical world. Through our presence as an inherently interdisciplinary institution, we offer our hackers our tools and expertise to develop a hack that they wouldn't be able to make in any other environment. To cater to the specific interests of our cohort of hackers, during HackCooper 2016, we offered our hackers 3D printers, laser cutters, and an electronics lab alongside veteran technical staff to bring their ideas into physical reality.

Where:
The Cooper Union @ 41 Cooper Square, New York, NY 10003

When:
To commence on October 12th, 2018 @ 4:00 PM ET
To end on October 13th, 2018 @ 4:00 PM ET

Who:
We expect 350 amazing undergraduates with backgrounds in engineering, art, and design. Last year, we received over 1000 applications to attend HackCooper and, after a selective admissions process, we had over 350 hackers walk through our doors on our opening day.

Why we want you!
We want you to be a part of HackCooper because we know you will add unique value to the event. In addition to monetary support, you can help by:
1. Sending members of your tech team to be ambassadors or mentors
2. Sending a member of your tech team to give a tech talk or workshop
3. Making HackCooper memorable by giving hackers branded swag
4. Helping us surprise hackers with items on our wish list

How you can get involved (negotiable):

	Support $1,000	Bronze $2,500	Silver $5,000	Gold $10,000
GENERAL				
Mentors	Unrestricted*			
Workshop		○	○	○
Sponsored Prize		○	○	○
Judges			1	2
Tech Talk			○	○
Opening Statement				○
Closing Statement				○
Dedicated HackCooper Coordinator				○
RECRUITING				
Recruiter Passes		1	3	5
Exclusive Booth at event		Small	Small	Large
Access to Resumes and Participant info		Post event	Pre-event	Pre-event
MARKETING				
Tiered logos on event page	4th	3rd	2nd	1st
Distribute company swag	○	○	○	○
Blurb on website	Website	Website	Website Handbook (Half page)	Website Handbook (Full page)
Sponsored meal			○	○
Company banner placement			Booth	Entrance
60 second video promo				○

The number of mentors being sent must be declared at least 2 weeks prior to the event and is subject to the limited space, food and resources.

In years past, we have had a variety of sponsors spanning several disciplines and industries. With this variety of sponsors comes a variety in goals, therefore we can tailor a specific sponsorship package based on your requests (and we have often done this in the past). We have also had nontechnical sponsors that support HackCooper through various other pathways (food sponsors, activity sponsors, and so forth).

Tech Talks*

Tech talks serve as a platform for sprouting creativity by introducing new technologies and possibilities to students. Topics can range from the basics, such as building a web page, to the domain-specific, such as using an API, but the goal is teach a broad range of hackers a technology or skill they may have not been exposed to before.

Company Workshops*

Every year, we welcome a significant number of newcomers among our hackers, and training workshops are a great way of introducing them to hacking and cultivating technical skills useful for the hackathon. Workshops can also be places to have a discussion about technical issues in the field related to the hackathon, and should be as interactive as possible.

Tech Talk Wishlist

- Integrating software and finance
- Blockchain
- Distributed Ledgers
- How to create a successful startup
- How to design a good UI
- The journey of AI
- Natural language processing in finance
- Quantum Computing
- Future of technology in trading
- Privacy and cybersecurity
- Internet of Things (IoT)
- Any awesome topic you know about!

Workshop Wishlist

- Languages
  - Python 101: A powerful, yet easy-to-learn language
  - Introduction to MATLAB
- Frameworks
  - How to use React.js
  - How to use Redux.js
- General
  - How to build a web application
  - Cybersecurity
  - Blockchain
- Artificial Intelligence (AI)
  - How to create a simple tic-tac-toe AI
  - Introduction to TensorFlow
  - Natural language processing
  - Machine learning 101
- Finance
  - Introduction to algorithmic trading
- Any awesome topic you know about!

Psst: All suggestions are just food for thought, we would love to hear your ideas!

Mentoring

We are looking for ambassadors, developer evangelists, or other mentors with a technical background who can represent your company while helping teams with technical issues. Ambassadors can help teams work with your own APIs and products as well as provide technical advice. Mentors at hackathons help teams refine ideas and guide project development, and are an integral part of hacking culture.

Mentors circulate around the hackathon, spread their expertise and push their set of tools. Mentors and their headshots will be posted on a central billboard complete with their own "Wanted" poster including their availability so that hackers can request scheduled mentoring (as a supplement to the freeform mentoring available throughout the hackathon).

Sponsored Prizes (designated by $5,000 corporate sponsors)

API-driven Prize: Engage hackers. API-driven prizes encourage hackers to use specific APIs, turning ordinary (but really cool) hacks into robust and elegant projects. These prizes also inspire new and unique uses for your pre-existing technology.

Value-driven Prize: Drive hackers. Value-driven prizes motivate hackers to hack with a purpose. Convey your company's key values and create a sub-community of hackers focused on a single theme.

Examples
- Best Social Hack
- Best Health Hack
- Best Environmental Hack
- Best Internet of Things Hack

(Examples continued)
- Most Innovative Hack
- Most Connective Hack
- Most Artistic Hack

Wish List

Midnight Snacks: midnight snacks, like cookies, ice cream, or pizza, always give hackers an extra push just when they need it. We would love to have a midnight snack event like "Midnight Pizza presented by [you]!" to give participants a boost at the halfway mark.

Bags: hackers are going to be getting lots of swag, and high quality, branded bags would be perfect for bringing it back to their schools.

Games

Meals

Photobooths

Interested in becoming a sponsor?
Contact us at **create@cooper.edu** for more information!