



HackOHI/O

HackOHIO X

HackOHI/O is a 24-hour hackathon that attracts over 800 participants annually for a full weekend of coding, learning, networking, and innovation. HackOHI/O gives students a unique, experiential-learning opportunity to build technology projects from scratch in a welcoming, supporting environment. In 2022 the event was held in a hybrid format.

Teams can come with an idea themselves or can take inspiration from challenges presented by our supporting companies and organizations. After the 24-hour "hacking" session is over, teams present their projects to industry experts and judges to get feedback and compete for prizes.

HackOHI/O is hosted by OHI/O, a student organization at The Ohio State University. OHI/O is dedicated to fostering tech culture at Ohio State and its surrounding communities in Central Ohio.

In 2022, HackOHI/O celebrated it's 10th year Anniversary! OHI/O is proud of the legacy Hack has created at Ohio State and featured additional hype events, more event festivities, and bigger prizes in 2022.

Event website: <https://hack.osu.edu/2022/>

By the numbers...

1,188

Registrants

883

Participants

220

Teams

By the numbers...

134

Industry Volunteers

75

Projects submitted for judging

13

Projects won awards

\$10,000

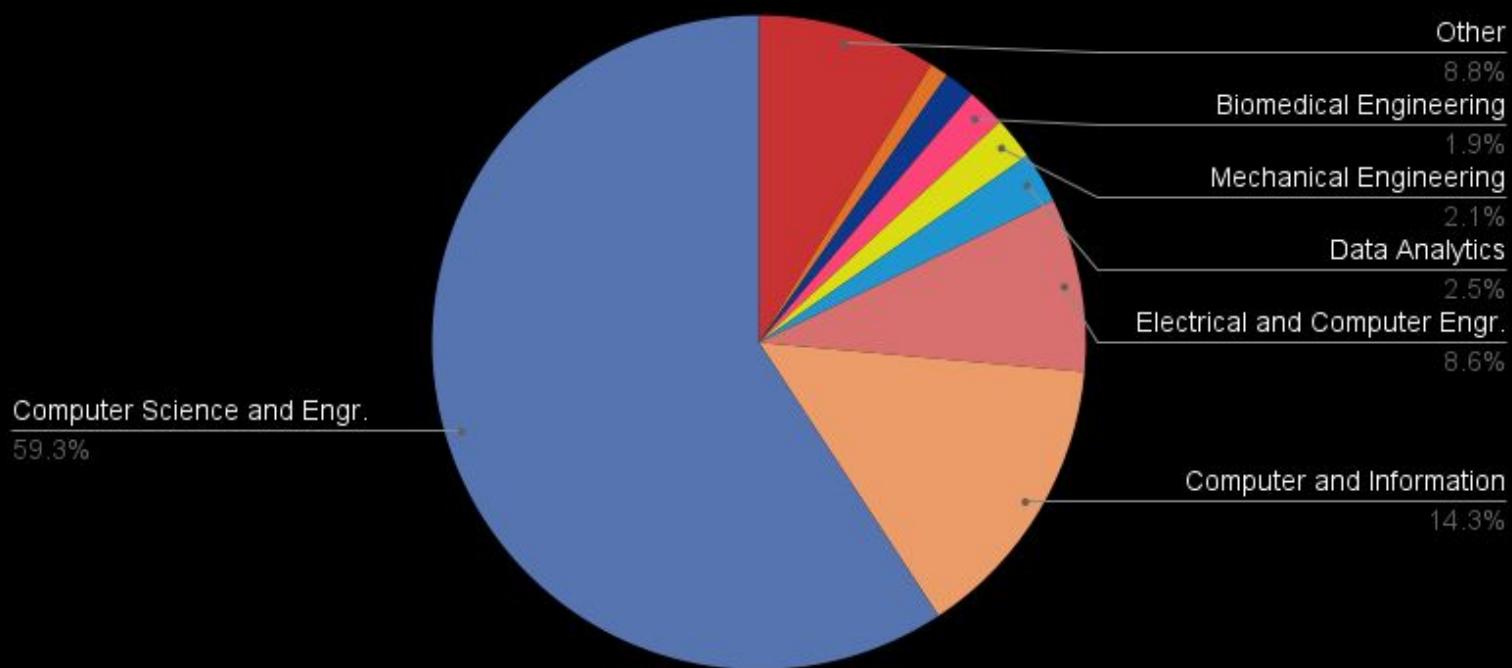
Worth of prizes distributed

By the numbers...

17
Sponsors

5
Sponsor Challenges

Majors at HackOHI/O X



Winning Teams



🥇 | First Place

Team Name: kristina_johnsons_team

Team Members: David Novikov, Khalan Le, Kiran Wijesooriya, Estevan Ortega

Project Description: “We are able to detect when drivers are distracted inside a car and give a warning to alert them to pay attention. We collected the dataset ourselves by recording good and bad driving examples. We then trained a yolov5 model to recognize the difference between distracted and good driving behaviour. When a person is engaged calming blue and green lights come on. When a person is distracted, first we turn on red light, then a buzzer, and finally a vibration to get them to pay attention to the road.”

Winning Teams



Second Place

Team Name: Team Awesome

Team Members: Nick Cheong, Srikar Maduposu, Vraj Shah, Sam Reichmann

Project Description: “Blue Light is a website application that maps the directions to the nearest blue light emergency station based on your current location. This application strives to solve a mobility problem, which is creating more opportunities for people to have convenient access to more emergency services.”

Winning Teams



Y | Third Place

Team Name: RTX Off

Team Members: Mark Fong, Quincy Barrett, Phillip White, Sarah Keck

Project Description: “Using stereo vision for relief search and rescue efforts, like for Hurricane Ian to locate exactly where people are.”

Winning Teams

Fourth Place

Team Name: Lorem ipsum

Team Members: Inesh Tickoo, Alex Gulko, Jackson Hicks, Shashank Raghuraj

Project Description: “Conflicting schedules between teammates/coworkers can make it a tolling task to plan meetings for when everybody is free. While tools exist to poll on times that would work for everyone, no tool exists that considers everyone's availability. Collision makes scheduling meetings for teams much easier by finding common free times in multiple people's calendars using an algorithm that we made. It uses the Google Calendar API to pull availability details for each person's calendar and combines those to find which blocks of time would be free for all parties. ”

Fifth Place

Team Name: Houston 6

Team Members: Rahul Medicharla, Ethan Young, Jack Italiano, Henry Schneider

Project Description: “A voice to code program that works with a custom IDE built specifically for voice input and a parsing method that scribes conversational text to working code. This allows coders to focus more on the theory behind coding and not on tedious syntax”

Sponsor Challenge Winners



HONDA

Honda Challenge:

Use technology to solve a mobility problem in the spirit of Universal Basic Mobility. Universal Basic Mobility (UBM) is the idea that basic mobility is a human right.



| Honda First Place

Team Name: Runtime

Team Members: Parth Kharwar, Pallavi Sisodiya, Pulkit Arya



| Honda Second Place

Team Name: kristina_johnsons_team

Team Members: David Novikov, Khalan Le, Kiran Wijesooriya, Estevan Ortega

Honda Honorable Mention

Team Name: import team_name

Team Members: Nathan Waltz, Paul Koenig, Samiul Islam, Zheng Ji Tan

Sponsor Challenge Winners



AEP Challenge:

Wind Turbine Data Analytics

AEP Challenge Winner

Team Name: Whatever is good with me

Team Members: Erich Boschert, Henry Redder, Nilay Patel, Dhruv Sekhawat

Sponsor Challenge Winners



AWS Challenge:

Use Amazon Alexa and at least two AWS services to address a challenge facing the Ohio State University community.

AWS Best Overall Team

Team Name: Banana Bread

Team Members: Russell Zhu, Brandon Young, Dhaanish Kaja, Erik Kyselica

AWS Best Technical Effort

Team Name: TCR Workers

Team Members: William Sun, Eddie Zink, Allen Chen,

Sponsor Challenge Winners



Engie Challenge:

Build an energy dashboard to be displayed on a lobby screen for different types of buildings using ENGIE's energy data.



Engie First Place

Team Name: Thimble

Team Members: Skylar Stephens, Kate Goertz, Manny Jauregui, Avery Doctor



Engie Second Place

Team Name: Cheese fan club

Team Members: Salim Karimov, Ayyoub Abdel-Aziz, John Li, Grace Jiang

Sponsor Challenge Winners



The Ohio Stadium Challenge:

Envision what the next 100 years of The 'Shoe will look like, and figure out how technology can support this future. Challenge sponsored by The Ohio State University Athletic Department.

Ohio Stadium Challenge Winner

Team Name: PEGS Industries

Team Members: Gary Sung, Samuel Steele, Ethan Garrett, Philip Barker

Sponsors + Partners

HackOHI/O X could not be what it is without the support from our sponsors. Our sponsors' dedication and passion for what we do has allowed us to make a greater impact on the technology community at Ohio State.

Leading up to the event, sponsors held virtual tech talks to boost participation and give students advice on what to make during the weekend. The opening and closing ceremonies featured sponsor representatives as they talked about their challenges, gave keynote presentations, and presented their awards. Sponsors also had many mentors and judges present during the event to help students with any questions they had.

The event also wouldn't be possible without our university partners: The Keenan Center for Entrepreneurship, The Ohio State University Athletic Department, Innovation Studio, and Electronics Club. Through the Keenan Center, HackOHI/O X winners prioritized access to the Best of Student Startups (BOSS) showcase event at Ohio State. The Athletic Department provided a special challenge to participants to commemorate the 100th Anniversary of the Ohio Stadium.

Interested in supporting future HackOHI/O Events!?

- View the 2022-2023 OHI/O [Sponsorship Guide](#)
- View the OHI/O about page: <https://hack.osu.edu/about.html>
- Contact us at hackathon@osu.edu

Sponsors + Partners

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THE OHIO STATE UNIVERSITY
KEENAN CENTER FOR ENTREPRENEURSHIP

the
Electronics Club

 **THE INNOVATION STUDIO**

The Organizers



HackOHI/O is organized annually by OHI/O. OHI/O is a student organization that started in 2013 with the goal of fostering a tech culture at Ohio State and its surrounding communities.

Through our events, we provide students the opportunity to build with real technologies outside of the classroom while connecting with our industry partners. Put concisely, we're Ohio State's Hackathon Program!

OHI/O also holds workshops, receives grants, scholarships, research, and runs other partnered hackathons with various focuses (health, data, AI, etc.)

HackOHI/O X Event Leads



Matthew Hu

Adit Anup

OHI/O Executive Board

Harshi Kosaraju, Sustainability

Josh Wang, Sustainability

Dev Patel, Registration

Ashwin Nair, Judging + MakeOHI/O Lead

Thomas Dawit, Webteam + High School I/O lead

Amber Phillips, ShowOHI/O Lead + Marketing

Matthew Ayers, President

Sakshi Shashiraj, Mentorship + MakeOHI/O Lead

Yifei Zhuang, Marketing

Nathan Howe, Registration

Cal King, Program Director



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