Attendee Package

Congratulations!

You made it to DeltaHacks 8!

We are super excited to have you and welcome you to McMaster's annual hackathon for change.

As we are hosting our event online again this year, we hope to answer some of your questions through this information package. Please feel free to contact us if you have any other questions at hello@deltahacks.com.

Get ready for a weekend-long hackathon! Happy Hacking!

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DeltaHacks 8

AMD

FDM

MSE
Materials Science & Engineering

Voiceflow

echo3D

Leading Learners

Communications
Security Establishment

Centre de la sécurité
des télécommunications

CSE | CST

Sketch

DigitalOcean

isaac

Registration

DeltaHacks 8 will be hosted primarily on Discord and Hopin. Registration will be conducted automatically when signing up for the online platforms Discord and Hopin.

All hackers must register for the DeltaHacks 8 Hopin event to attend ceremonies, events, workshops and sponsor booths.

To register for Hopin:

Visit the Hopin event at:
https://hopin.com/events/deltahack-january-2022

Click **'Tickets'** in the top right corner

Select the correct ticket type based on the following information:

For McMaster Students registered for the Experience Ventures **'Hackathon for Beginners'** program, select the **EV Student Participant** ticket type

For all other hackers, select the **Student Participant** ticket type

Once you've selected the correct ticket type, click **'Join Event'**

To register for Discord:

Visit the Discord link at: https://discord.gg/6HvMQAnMgb

To register for Devpost:

Visit the Devpost link at: https://deltahacks8.devpost.com/

If there are any questions or concerns, please reach out to **hello@deltahacks.com** or join the **"General Support" Discord Channel** where one of our executives can help.

Discord Bot Commands:
Some main commands that can be sent in text channels for more information and help.

/help - List of Discord bot commands and functions
/support - Create a support ticket and get help from the organizers
/register - Use your unique code and check in for the hackathon
/reply - Send a reply for a DM, only one reply per DmId

First Time Hackers

What is a Hackathon?

A hackathon is a type of technical competition. We provide our attendees with the opportunity to work with new people on cool ideas, and the resources necessary to make those ideas come to life. We do not condone, nor do we allow any actual hacking or other illegal activities! DeltaHacks is an official MLH event. The MLH code of conduct can be found here: http://mlh.io/code-of-conduct.

Where to get help?

If you're looking for technical help we have plenty of experienced mentors who can help you with your project! Send a message to the #find-a-mentor channel to get paired up with a mentor. Have some general questions? Send a message to #general-support and one of our organizers will help you right away.

Highschool Hackers

Feel free to ask our organizers at any time for help! Be on the lookout for High School Mentorship/ Meetup events to help connect you with fellow peers and answer any questions you may have.

Workshops

We have some amazing workshops planned for DeltaHacks 8 that will be held throughout the course of the Hackathon. For an agenda on which event will be held at what time, refer to deltahacks.com.

DeltaHacks will also be sending out reminders through Discord, so make sure to keep your notifications on!

Expansion 101: Turning Your Idea Into A Reality
Saturday   9AM-10AM   Hopin

What They Don't Tell You About Tech Interviews
Saturday   10AM-11AM   Hopin

Building a Mobile Application with Flutter
Saturday   11AM-12PM   Hopin

Secrets of MicroPython
Code a Raspberry Pi Pico in the cloud
Saturday   1PM-2PM   Hopin

Falling in Love With the Problem
Saturday   3PM-4PM   Hopin

Intro to React Native
Saturday   7PM-8PM   Hopin

The Practical Applications of Mathematics in Computer Science
Saturday   8PM-9PM   Hopin

Events

Events have been planned throughout the entirety of the weekend. Looking for teammates? Looking to socialize or take a break from hacking? Come join our team matching, speed networking, or gaming event. There will also be weekend-long events like the league tournament, custom emote challenge, and many more to keep you busy all weekend!

For a full schedule and details about events, refer to deltahacks.com. DeltaHacks will also be sending out reminders through Discord on the "announcements" channel, so make sure to keep your notifications on!

Landing A Software Internship
Securing a software internship can be challenging and somewhat intimidating, especially when you are first starting out. Join Kajoban Kuhaparan, a Software Developer at SSENSE, as he shares some advice on how to get started.

Kickstarting Your Product Design Career
Interested in product design but don't know where to begin? Come join Rahil Shah, a product design intern with past and upcoming experience at companies like Twitch, Robinhood, Shopify and Facebook as he discusses how you can get your foot in the door!

How to Get the Most Out of DeltaHacks
Want to get some tips on how to maximize your experience at DeltaHacks? Join the DeltaHacks organizers as we answer your burning questions!

Collaborative Drawing
For 10 minutes after the hour (xx:00 to xx:10) between 10AM and 10PM, we'll be opening up a collaborative whiteboard to doodle on. Bring your team and contribute to our collaborative whiteboard where you can add any doodles/pictures that best represent you and/or your experience! If you miss one, don't worry – just come back another time.

Women in S(TE)M Panel
Finding it tough navigating through tech/engineering fields? In this panel, women in technology and engineering related fields/careers will share their experiences. This will be a great opportunity to ask questions, get advice, and learn from others' experiences.

Emote Design Contest
Looking for a Discord emote that expresses how you feel right now but can't find one? This is your chance to create your own! Participate in this 24 hour Design a Custom Emote challenge and have your emote added to our Discord server!

More Cool Events

DeltaHacks Panel of Champions
Are you new to hackathons? Have you ever wondered what a winning project looks like? If yes, join us with some amazing panelists who will showcase their creative winning projects from previous DeltaHacks Competitions! This will be a great opportunity to gain some insight on what a finished project looks like, and a way to get advice & tips to use on your very own project!

DeltaHacks Games Night
Despite your love for hackathons, it can get exhausting sometimes. Fear not as we have the perfect remedy for you! Join our Games Night where we will be hosting a League Tournament as well as other games to relax and meet other attendees. Do not miss the chance to win $50 by winning the tournament!

Startup Stories
Is entrepreneurship your passion? Join our Startup Stories event where we host a panel discussion with startup CEOs and Founders about how they started, their trials and tribulations, and how they found success along the way.

Finding a Team and Communication

Looking for a team? There are a few options to meet others online:

Post an introduction message in the #findateam Discord channel. Introduce yourself, where you're from, some of your experiences, and what you hope to accomplish at DeltaHacks 8!

Join the Team-Matching event happening Friday, January 14th after opening ceremonies (see the official schedule for more details)
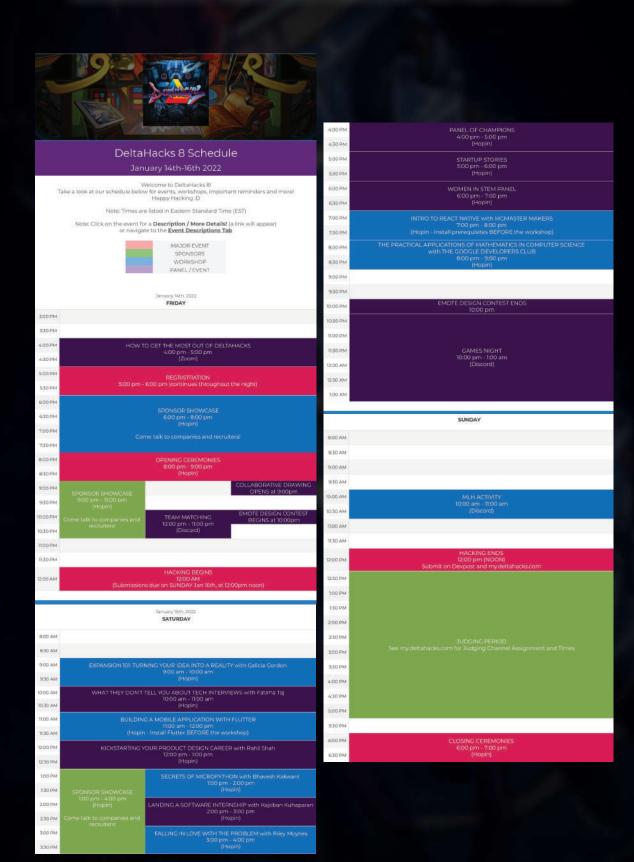
Teams are encouraged to set up their own methods of communication. After meeting a team on Discord or by other means, we recommend creating a group chat on Discord, Messenger, Slack, or other platforms!

We also recommend using github to collaborate on code. A guidebook to git can be found here: https://guides.github.com/introduction/git-handbook.

Schedule

Make sure to stay active on Discord for updates and announcements about upcoming events! A full and comprehensive schedule can be found at deltahacks.com. Below is an outline for the main events:

Prizes

Every year different challenges and prizes are offered which you can submit your project to!
For a list of challenges, visit Devpost: https://deltahacks8.devpost.com/

Best Health Hack

You don't need to be a doctor to save lives when your project can. Looking for a healthier way to eat hot, crispy food? Well the winners of the Best Health Hack will be receiving an Air Fryer per team member.

Best Environmental Hack

Do you like the planet? So do we! Winners of the Best Environmental Hack will receive a Click and Grow Smart Garden per team member. Built-in sensors let the garden know when to automatically deliver an optimal amount of water, oxygen, or nutrients. Just plug it in, add water, and watch your plants thrive!

Best Education Hack

Does your hack promote or support learning? Have you ever thought education could be this fun? Winners of the Best Education Hack will win a $100 Indigo gift card per team member.

Best Use of AssemblyAI

A $100 Amazon Gift Card will be rewarded to each member of the winning team that builds the best project using AssemblyAI API.
See the quick start guide here:
https://assemblyai.notion.site/assemblyai/AssemblyAI-Hackathon-Quickstart-76cf5c07aeff4f06b a9ac193899c0a4b

How Would You Imagine Music?

Powered by Beatcaps - Build a web app that uses the rhythmic events to experience music in a new way whether it be lights, external devices, or other! Learn more at https://www.beatcaps.io/

To Work or Not To Workout

People who work out regularly often end up in a situation where they carry significant fatigue from previous workouts. Working out again on a given day despite fatigue might actually be detrimental to their fitness progress, their energy levels, and enjoyment of the sport.
Build an app that:

a) uses data from common fitness app API's (e.g. Strava, Fitbit) and;

b) checks in with the user regarding their fatigue, motivation, mental state, sleep etc

Make recommendations if they should work out or rather rest on a given day to help them progress safely and productively in their fitness journey.

MLH Best Use of Google Cloud

Build your hackathon project with a suite of secure storage, powerful compute, and integrated data analytics products provided by Google Cloud. See full list of products here: g.co/cloud. Each winning team member located in the US will receive a Google Cloud Swag Bag complete with a beanie, pillow, journal, socks and lanyards. International winners will receive a Google branded backpack.

Best Productivity Hack

Developing a project that can help with procrastination and productivity? Winners of the Best Productivity Hack will receive a Google Nest Hub per team member

MORE Prizes

with challenges of course

MLH Best Space App powered by Space Force
The sky is not the limit! Try your hand at making a space-themed application for a chance to win a wireless Bluetooth speaker for you and your team from the U.S. Space Force! We're looking for amazing solutions to any space-related problems you can imagine. For any sci-fi enthusiast, this is the perfect opportunity to push the limits of your creativity by building the technology of tomorrow, today. We can't wait to see the solutions you build! Please note: the majority of your team members must be located in the United States to qualify.

MLH Best Hardware Hack Sponsored by Digi-Key
Using your preferred hardware or hardware emulator, build a hack for your chance to win a Grove Beginner Kit, with embedded Arduino Uno compatible board. Each winning team member will receive a prize!

MLH Best Use of Linode
Use any one of Linode's wide array of cloud products and take your hack to the next level! Whether you're looking for data storage, compute power or hosting, Linode has what you need and the complimentary credits to get you started. Sign up and start hacking for your chance to win a Raspberry Pi 4 Starter Kit.

MLH Best Use of CockroachDB
Build your hackathon project on CockroachDB's open source and indestructible SQL database. Utilize CockroachDB in your hack for a chance to win a 3D printing pen for each team member. What's more, All US residents that submit CockroachDB enabled projects will receive a free t-shirt while supplies last!

MLH Most Creative Use of Twilio
Twilio allows you to incorporate mobile messaging, phone calls and a ton of other awesome communication features right into your hackathon project using web service APIs. Are you building an e-commerce website and want to send text notifications or email confirmations once an order is completed? Or maybe your application needs to verify users based on their mobile numbers? Twilio makes all this possible and more. Build a hack that simplifies your life using any one of Twilio's APIs for a chance to win a Twilio Swag Box and GameGo Console for you and each of your teammates!

MLH Best Domain Registered with Domain.com
Register a .tech domain name using Domain.com during the weekend. Each team may submit one entry per person on the team. Each winning team member will receive a PowerSquare Qi wireless phone charger.

The McMaster MED Team
Personal devices like laptops and mobile phones are filled with sensors

The COVID-19 pandemic has revealed an increased demand for accessible healthcare

Using at least one on-board sensor from a laptop or mobile phone, address an ongoing healthcare need.

And now, what you've all been waiting for...

EVEN MORE PRIZES

A brand new Nintendo Switch for each team member.

DeltaHacks 8

1st Place

2nd Place

A 144hz Gaming Monitor for each team member.

3rd Place

A Harman Kardon Onyx Studio Bluetooth Speaker for each team member.

DeltaHacks 8

Submission / Judging

Each team can have a maximum of **4 members.** You can submit your project to be judged for up to **3 challenges!**

Project submissions are due at noon **12:00pm EST on January 16th.** You must submit on both Devpost, **deltahacks8.devpost.com/** and **my.deltahacks.com/** . Only **one** project submission is required per team.

Judging will be conducted **virtually** this year! After project submission, your team will be assigned Discord Channels on *my.deltahacks.com*. Join the assigned Discord Channel(s) during judging time with your team and be ready to present!

Live presentations will be conducted with **3 minutes** to present your project and **2 minutes** for questions. Winners will be announced during **Closing Ceremonies at 6:00pm EST on Sunday January 16th.**

If you have any questions or concerns ask the *#general-support* Discord channel. Best of luck!

What to Bring

As DeltaHacks 8 will be online, all you require is a computer and an internet connection!

Also, grab some yummy snacks and be ready to build some amazing projects.

As this is an online event, hardware will not be provided to attendees.

Sponsor Swag

DigitalOcean

Try out DigitalOcean with a free $100 credit
https://try.digitalocean.com/developer-cloud

Sketch

All hackers can download and use Sketch for free during the event!
https://www.sketch.com/try/

Hackers are also eligible to sign up and get a 50% off discount on Sketch
https://www.sketch.com/store/edu/

Voiceflow

Voiceflow would like to offer its Professional License valued at $49/month per account
to all attendees!
https://voiceflow.com/hackathon/deltahacks2021

Echo3D

Echo3D is a cloud platform for 3D/AR/VR that provides tools and server-side
infrastructure to help developers & companies quickly build and deploy 3D/AR/VR
games, apps, and content. For 1-month FREE access to all Business Plan features of the
Echo3D platform, register here:

https://console.echo3d.co/#/auth/register-promo?code=DeltaHacks8

Contact Information

**Help Desk: Visit the "general-support" Discord channel for help
Email: hello@deltahacks.com**

Facebook: *http://www.facebook.com/thedeltahacks*
Instagram: *http://www.instagram.com/deltahacks*
Twitter: *http://www.twitter.com/deltahacks*
Website: *https://www.deltahacks.com/*