



NeurAlbertaTech Hackathon (the “Hackathon”) Official Rules

Submission to participate in the Hackathon by any and all individuals constitutes agreement to the Official Rules of the Hackathon and each participant consents to be bound by all the terms and conditions stated herein.

Each participant or team participating in the Hackathon may submit one project for a chance to win one of the prizes outlined in the Official Rules.

BETWEEN

NeurAlbertaTech Neurotechnologies, Ltd. (“NeurAlbertaTech”)

- And -

Individuals identified in the submission document (“Participants”)

- Hosted by -

Devpost, Inc. (“Devpost”)

1. BACKGROUND

- 1.1. NeurAlbertaTech is hosting the nathACKS Hackathon Weekend event scheduled for November 16, 2023 through 10:00 MT November 19, 2023 MT. The Hackathon schedule is as follows:

Competition Period: 19:00 MT November 16, 2023 - 10:00 MT November 19, 2023

Submission Period: 8:00 MT - 10:00 MT November 19, 2023

Judging Period: 10:00 MT - 15:00 MT November 19, 2023

- 1.2. The deadline for registration in the Hackathon is as follows:

Individual registration (with Hacker Survival Kit): 23:59 MT October 10th, 2023

Application for hardware: 23:59 MT October 10th, 2023

Individual registration (no guaranteed availability for Hacker Survival Kit or hardware): 23:59 MT October 31st, 2023

- 1.3. The Hackathon shall take place as a hybrid event, with virtual components hosted on Gather.Town and Discord, and in-person components hosted across Alberta, Canada.
- 1.4. No purchase is required to participate in or win the Hackathon. No purchase or payment will improve a participant's chance of winning the Hackathon.

2. DEFINITIONS

- 2.1. "Participants" means entrants in the Hackathon, who can participate solely as individuals or as a team of no more than five individuals.
- 2.2. "Team" means a group entrant of no less than five (5) and no more than six (6) individuals.
- 2.3. "Team Representative" means the representative of each Team who is authorized to represent, act on behalf of, and enter a submission for the Team. Also referred to as Team Captain.
- 2.4. "natHACKS" means the Hackathon that is to take place as defined in Section 1.
- 2.5. "natPortal" means a custom web interface through which all natHACKS documentation can be accessed by Participants.

- 2.6. “Judge” means third-party volunteers from the neurotechnology community appointed by natHACKS, which may include any individuals from academia, healthcare, industry and/or non-profit organizations.
- 2.7. “Problem Provider” means an individual subject matter expert whom a team from the Problem Provider Division is formed around.
- 2.8. “Project” means the final submission entered during the Submission Period by each Team Representative.
- 2.9. “Code” means any software program written as part of a Submission to the Hackathon.
- 2.10. “Hacker Survival Kit” means a swag bag of NeurAlbertaTech and natHACKS merchandise shipped to Participants.
- 2.11. “Hardware Kits” means brain-computer interface hardware used for the purpose of collecting real brain data for use during the Hackathon.

3. ELIGIBILITY

- 3.1. Participants must be at least eighteen (18) years of age and the age of majority under the laws of the jurisdiction in which they reside, unless otherwise authorized by NeurAlbertaTech.
- 3.2. Participants residing in the following jurisdictions are ineligible to compete in the Hackathon. Note that this list may be non-exhaustive:
 - Brazil
 - Quebec
 - Cuba
 - Iran
 - North Korea
 - Syria
 - Crimea
 - Russia
- 3.3. Participants must be eligible to receive prizes in competitions such as the Hackathon under the laws of the jurisdiction in which they reside.
- 3.4. Participants may have only one entry, with one Team.

- 3.5. Participants must be current high school or postsecondary students or recent graduates who have graduated from high school or postsecondary within the past thirty-six (36) months, unless otherwise authorized by NeurAlbertaTech.
- 3.6. Participants may be members of student chapters or volunteers of NeurAlbertaTech.
- 3.7. Teams must consist of at least 50% Alberta residents, in order to be eligible to receive Prizes.
- 3.8. Participants cannot be organizations involved with the design, production, paid promotion, execution, or distributors of the Hackathon, including NeurAlbertaTech and Devpost.
- 3.9. Participants cannot be employees, representatives, agents, or immediate family or household members of NeurAlbertaTech or Devpost. This includes, but is not limited to, any spouse, child, parent, sibling, member sharing a residence for three months yearly, parent company, subsidiary, organization under common control or sharing a common majority or controlling owners or common management or substantially owned by another organization.
- 3.10. NeurAlbertaTech reserves the right to declare any other individual or organization ineligible, whose participation in the Hackathon would create a real or apparent conflict of interest, in their sole discretion.

4. PROJECT DIVISIONS

- 4.1. Problem Provider Division
 - 4.1.1. Teams in the Problem Provider Division are formed around a NeurAlbertaTech-approved “Problem Provider”.
- 4.2. Standard Division
 - 4.2.1. Junior Track

All teams in the Standard Division that consist entirely of individuals who have no more than two (2) years of postsecondary education nor majors/minors in Computing Science or adjacent domains.

- 4.2.2. All Standard Division teams not eligible for the Junior Track are distributed into one of the following three theme-based Tracks:

Placement of a team within a given Track is at the sole discretion of NeurAlbertaTech.

4.2.2.1. Rehabilitation

Of, or related to, the assessment, diagnosis, or treatment of brain disease or neurological disorders

4.2.2.2. Recreation

Of, or related to, entertainment experiences, or industry applications not otherwise specified in the Rehabilitation or Research Tracks

4.2.2.3. Research

Of, or related to, basic research or the development of novel methodologies in the collection, analysis or visualization of data

5. SUBMISSIONS

5.1. Teams may submit one (1) Project to be evaluated by the Hackathon Judges consisting of the following:

5.1.1. A Project Summary

A written project summary of approximately 250 words.

5.1.2. A Project Presentation

A 2 minute video presentation.

A rubric for the video presentation will be provided to Participants

5.1.3. A Project Code Repository

A link to a public Github repository

Note that all code MUST be developed during the Hackathon time window only.

5.1.4. A live presentation to Judges (in-person at the UofA, virtual for all other participants)

5.2. Unless otherwise specified by an agreement that has been provided by NeurAlbertaTech, all Code and Project assets developed for the Hackathon belong to the Participants who developed the Code.

5.3. All official technical and pitch mentors will be required to sign a confidentiality agreement with the intention of protecting the intellectual property of Participants.

5.4. Any photos, videos, or other materials submitted as part of the Hackathon may be used by NeurAlbertaTech for promotional purposes, including Participants' names and Projects. Participants agree to allow NeurAlbertaTech to reproduce, share, and otherwise use any submitted materials at NeurAlbertaTech's discretion.

6. JUDGES AND RESULTS

6.1. NeurAlbertaTech will recruit and appoint third-party volunteers from the global neurotechnology-related community.

- 6.2. Judges will award first-place and second-place results in the Project Tracks, including Rehabilitation, Recreation, and Research.
- 6.3. Judges will award one Best Overall Award for the Junior Track Projects.
- 6.4. Judging will follow a standardized rubric; the judging rubric will be provided to participants on natPortal by November 16th, 2023 (23:59 MDT).
- 6.5. Awards will be announced at the Closing Ceremony taking place November 19, 2023 at 16:00 MDT.

7. PRIZES

- 7.1. Based on the Judges' results awarded in Section 6, the winning Participants will receive the following monetary funding (the "Prize"):

Problem Provider Division

Award	Prize
First-Place Award in Rehabilitation	\$2,000.00 CAD
First-Place Award in Recreation	\$2,000.00 CAD
First-Place Award in Research	\$2,000.00 CAD
Second-Place Award in Rehabilitation	\$1,000.00 CAD
Second-Place Award in Recreation	\$1,000.00 CAD
Second-Place Award in Research	\$1,000.00 CAD

Standard Division

Award	Price
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First-Place Award	\$2,000.00 CAD
Second-Place Award	\$1,000.00 CAD
Third Place Award	\$500.00 CAD
Best Overall Award for Junior	\$1,000.00 CAD

- 7.2. Teams must consist of at least 50% Alberta residents in order to be eligible to receive Prizes.
- 7.3. The Prizes are subject to change without notice by NeurAlbertaTech.
- 7.4. Each Team is eligible for one (1) Prize.
- 7.5. Each winning Team will be featured on at least one post from at least one NeurAlbertaTech social media account. Provided they submit their teams image assets within the time window specified after natHACKS
- 7.6. Each winning Team and their Project will be featured on NeurAlbertaTech's online community webpage.
- 7.7. Prize Conditions:
The Prize will be held by NeurAlbertaTech on behalf of the winning Team for up to nine (9) months. The Prize will be released to the winning Team once the Team has completed the following specific requirements:

Future Development Plan:

- NeurAlbertaTech will provide a template regarding the Future Development Plan on natPortal prior to 23:59 MT November 24th, 2023.
- The winning Team must submit a completed Future Development Plan to NeurAlbertaTech prior to 23:59 MT Dec 8th, 2023.
- The Future Development Plan may include, but is not limited to:

- Technical Aspects
- Research validation (if applicable)
- Commercialization
- Anticipated expenses

Quarterly Deadlines:

- Receipts for pre-approved expenses are to be submitted quarterly by 23:59 MT on the following days:
 - January 1, 2024
 - April 1, 2024
 - July 1, 2024
- Expenses must be pre-approved before purchases are made in order to be reimbursed. In order to request approval, Teams must contact neuralbertatech@gmail.com with a detailed explanation of the expense.

8. HARDWARE - KITS AND REIMBURSEMENT

- 8.1. Brain-computer interface hardware and necessary peripherals (“Hardware Kits”) are available to those wishing to apply to the competitive Hardware Scholarship Program.
- 8.2. Participants with a mailing address in Canada or mainland United States are eligible to receive Hardware Kits.
- 8.3. Applications for Hardware Kits are due at 23:59 MT October 10th, 2023 through the natHACKS 2023 [Hacker Registration](#) form, applicants who request hardware thereafter are not guaranteed availability.
- 8.4. The decision to award Participants with Hardware Kits is at the sole discretion of NeurAlbertaTech.
- 8.5. All Hardware Kits provided by NeurAlbertaTech to Participants are through rental only.
- 8.6. A minimum of eighty percent (80%) of the Hardware Kits will be lent to Participants with a Canadian address.

8.7. A minimum of fifteen percent (15%) of Hardware Kits will be lent to Participants from rural communities.

8.8. The Hardware Kits shall include the following:

8.8.1. Neurotech Hardware Kits

8.8.1.1. OpenBCI Kit: <https://shop.openbci.com/>

- 1 X Ganglion Dongle
- 1 X Ganglion Board
- 4 X EMG/ECG Snap Electrode Cables
- 4 X Spiky Electrodes
- 1 X Ear Clip Electrodes (Pair)
- 1 X 4xAA Battery Holder
- 1 X Ultracortex Mark IV Headset (may be included)

8.8.1.2. Unicorn Hybrid Black Kit

- 1 X Unicorn Hybrid Black
- 1 X MicroUSB Charger
- 1 X Connection Dongle

8.8.1.3. Muse 2 Kit: <https://choosemuse.com/muse-2/>

- 1 X MicroUSB Charger
- 1 X Muse 2 Device
- 1 X USB BLE Dongle

8.8.1.4. Muse S Kit: <https://choosemuse.com/muse-s/>

- 1 X MicroUSB Charger
- 1 X Muse S Device
- 1 X USB BLE Dongle

8.8.1.5. BioAmp EXG Pill Kit:

<https://www.crowdsupply.com/upside-down-labs/bioamp-exg-pill>

- 5 X EXG Pill

8.8.1.6. NeuroStimDuino:

<https://www.crowdsupply.com/neuralaxy/neurostimduino>

- 1 X NeuroStimDuino board
- 1 X Lead wires
- 1 X Battery holder

8.8.2. Peripheral Hardware Kits

8.8.2.1. Arduino Kit:

- 1 X Arduino UNO R3 Board
- 1 X Power Cable

8.8.2.2. Raspberry Pi Kit:

- 1 X Raspberry Pi 4 Board
- 1 X Mini Display
- 1 X Mini Display port to HDMI cable
- 1 X Power Cable

8.8.2.3 Meta Quest 2 Kit:

- 1 X Meta Quest 2 (with controllers + charger cable)
- 1 X Silicone face cover
- 1 X Carrying case
- 1 X Link cable (for PCVR development)

8.9. To receive Hardware Kits, Participants must pay the following costs via Interac e-Transfer to finance@neuralberta.tech as a deposit for the hardware:

Neurotech Hardware Kit	Deposit Amount
OpenBCI	\$1000.00 CAD
Unicorn Hybrid Black	\$1,400.00 CAD
Muse 2	\$250.00 CAD
Muse S	\$400.00 CAD
BioAmp EXG Pill Kit	\$150.00 CAD
NeuroStimDuino	\$300.00 CAD

Peripheral Hardware Kit	Deposit Amount
Arduino Kit	\$50.00 CAD
Raspberry Pi Kit	\$150.00 CAD
Meta Quest 2 Kit	\$500.00 CAD

8.10. NeurAlbertaTech Hardware Shipping to Virtual Participants
The Hardware Kits will be shipped by November 1, 2023, and the tracking number will be provided to the Team.

8.11. NeurAlbertaTech Hardware Pickup for In-Person Participants

- 8.11.1. Team that has paid the appropriate hardware deposit can pick-up said hardware at the in-person hacking site on the first day of hacking before 10:00 MDT.

8.12. NeurAlbertaTech Deposit Reimbursement

- 8.12.1. NeurAlbertaTech Deposit Reimbursement - Virtual Participants
NeurAlbertaTech will reimburse Participants for the Hardware Kits provided that the following requirements are met:

- 8.12.1.1. The Hardware Kits must be shipped back by November 22nd, 2023 to the following address:

Zachary Selk
3040 Arthurs Cres SW
Edmonton, AB
T6W 1A8

- 8.12.1.2. The Hardware Kits must be returned and shipped in the same container used by NeurAlbertaTech to send the Hardware Kits to the Participant.

- 8.12.1.3. All of the Hardware Kit, including peripherals, must be returned.

- 8.12.1.4. Participants must ensure basic tracking is included on the return shipped Hardware Kits.

- 8.12.1.5. Participants must submit an itemized receipt of shipping costs, including tracking number, to NeurAlbertaTech via email.

8.12.2. In-person Participants

NeurAlbertaTech will reimburse Participants for the Hardware Kits provided that the following requirements are met:

- 8.12.2.1. All of the Hardware Kit, including peripherals, must be returned to the event organizers at the respective in-person

hacking site at the end of the hacking before noon (12:00 PM) MDT, on November 19th, 2023.

8.12.2.2. Returned equipment must be in full working order.

8.13. Participants will be reimbursed by NeurAlbertaTech for the cost of the hardware deposit via Interac e-Transfer within 5 days of NeurAlbertaTech receiving shipment of Hardware Kit in its entirety pursuant to the requirements in Section 8.10 and in its original condition.

8.14. Participants will be reimbursed for the return shipping costs of the Hardware Kits provided the itemized receipts for shipping are included pursuant to Section 8.10.