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The Mind, Unlocked:

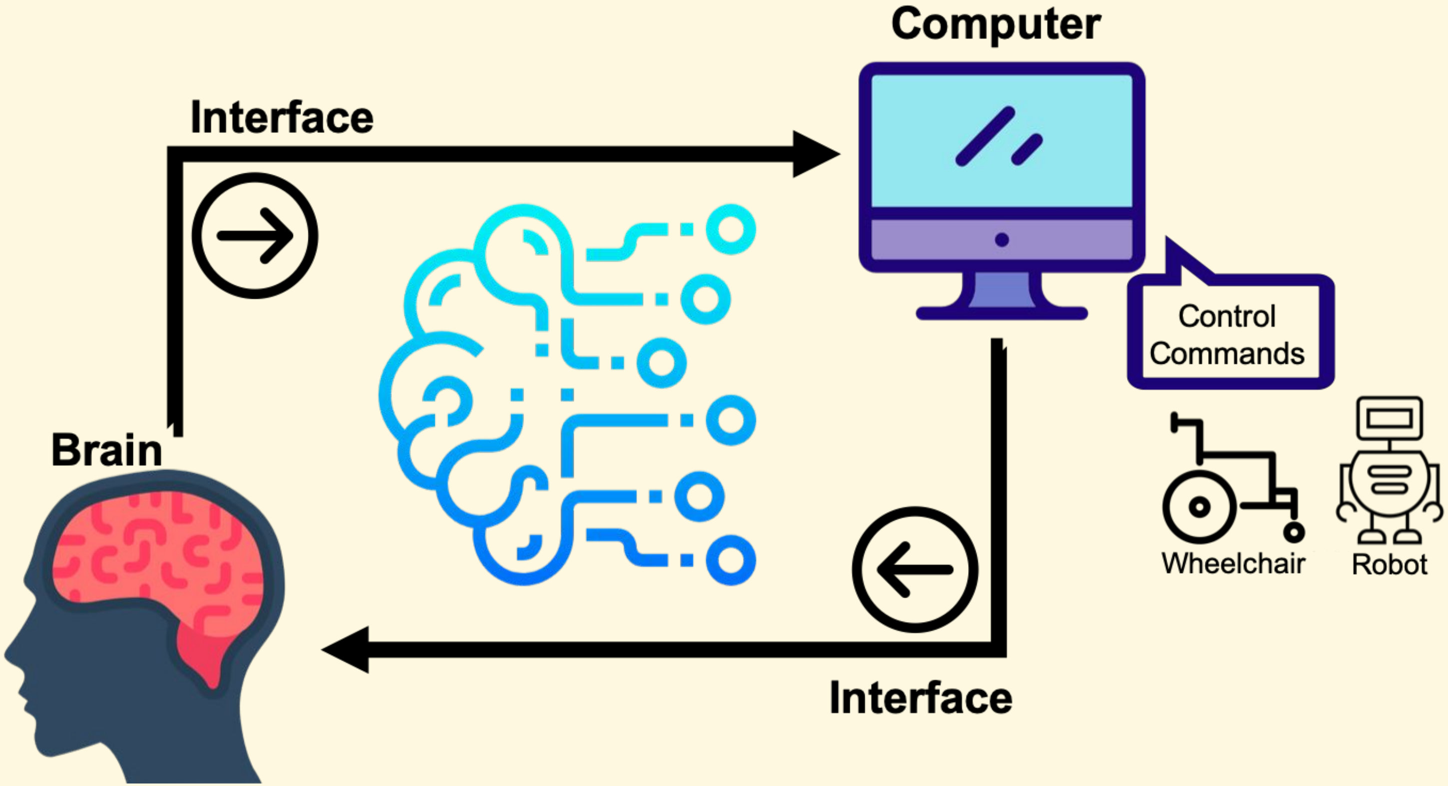
How Neurable AI Unlocked the Mind

Understand the body

at scale and longitudinally

But what about the Brain?

What Is A Cognitive Wearable or BCI?



Non-exhaustive list of what can be tracked

Focus Score
Focus Variability
Distractions
Distraction impact
Likelihood of Error
Heart Rate
HRV
Fatigue
Stress
P300
Spectral Diagnostics
Cognitive Load

Time to recovery
Deep Focus
Healthy Focus
Unproductive Focus
Winks
Blinks
Jaw Clench
Smiles
Frowns
Seizure Detection
Sleep Quality
Auditory Attentional

Neural audio tuning
Biomarker Discovery
Cognitive Health
Benchmarking
Neural efficiency
Hypoxia Detection
Depression
Wakefulness
Drug Efficacy
Consciousness
Stroke detection
ALS monitoring

Sleep Detection
Chronic Pain
Artifacts
Motor imagery control
Silent speech control
Brain infection detection
Stroke detection
TBI detection
Alzheimer's treatment evaluation
Parkinson's
Dementia Tracking





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Brain wearables are coming to the everyday

University of Michigan Signal Processing Breakthrough

Neurable Electrode Reduction (2015-Early 2021)

Customer Validation and Mass Scale Data Collection (2020-2021)

Demonstrate in Headphones and License technology (2022+)

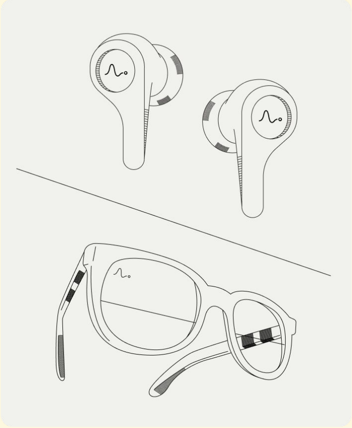
2011

2015

2018

2021

2023+



30+ PATENTS, TERABYTES OF DATA, AND 100X FASTER

Our AI turns science projects into everyday products

Powered by
NEURABLE
AI

Retain 90% of the same signal as a medical grade EEG in an everyday form factor

Seeing is believing.

Neurable AI innovations enable **high-performance BCIs** in *everyday form factors*

Boosts EEG signals-to-noise by **14-300% or greater**, *enabling less sensors*

Capture signals **across the head** in *everyday form factors*

Robustness to **movement artifacts**

Continuous **QA** and **calibration**

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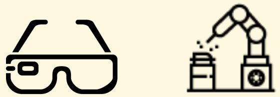
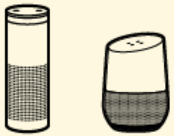
The Value of Everyday Brain-Computer Interfaces

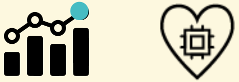
Conscious Control



Enhancing Technologies

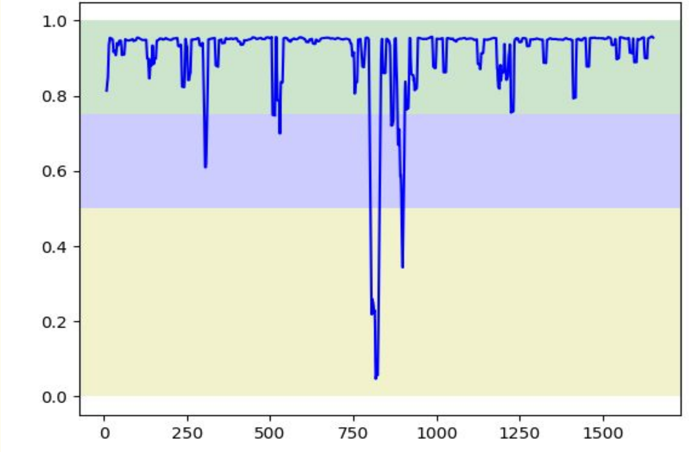


Health & Affective Computing



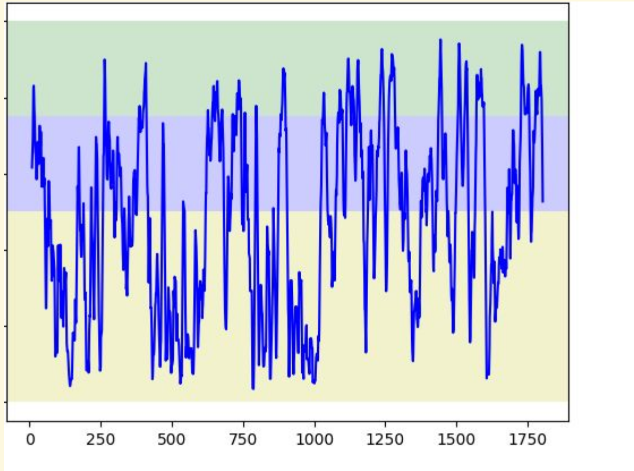
Health Implications

Neurotypical



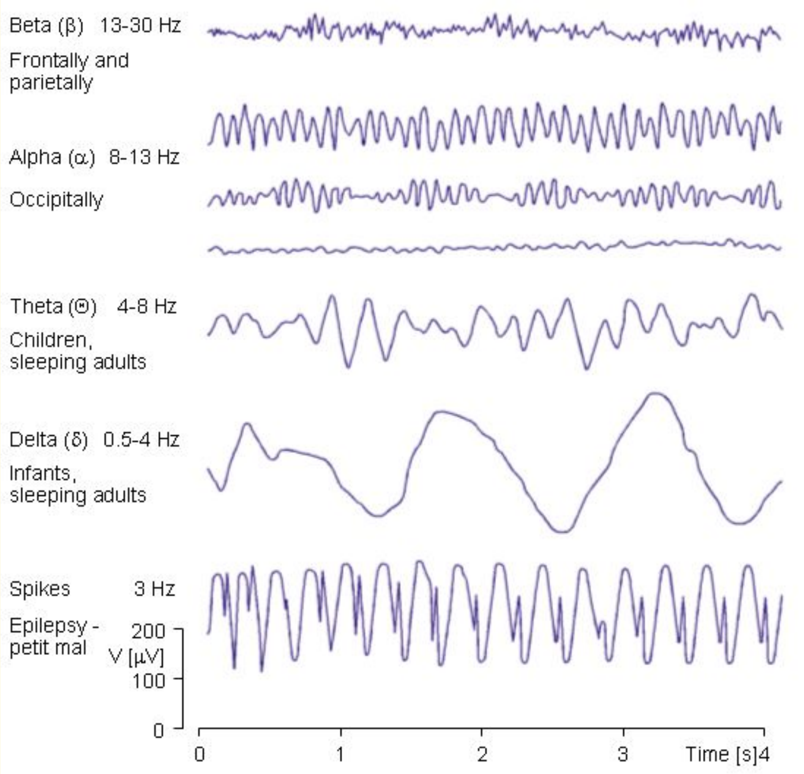
Deep Focus
Task

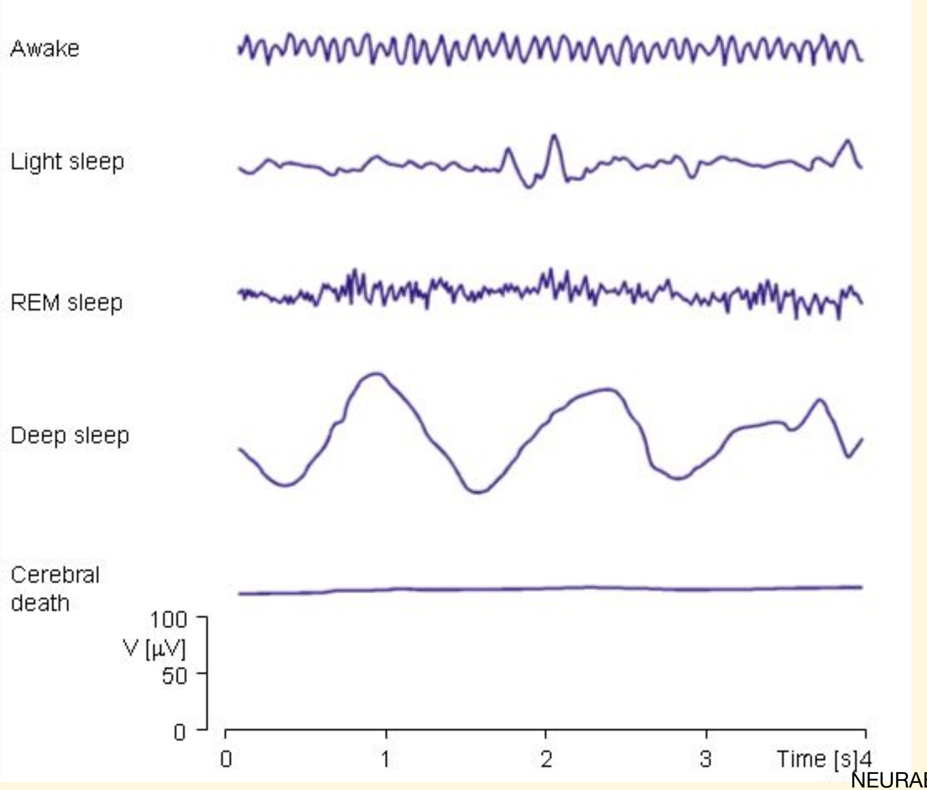
ADHD



Deep Focus
Task

Basic Brain Responses





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Holistic Cognitive Vitals

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Neurable in Action – Brain Health

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Soldiers are exposed to damaging elements while in training and combat. The most nefarious of these elements are **blast overpressure events**
caused by explosions from door breaches and shoulder-mounted rocket fire.

7

With highly-ambulatory passively-worn Neurable devices, **we can detect precisely when a soldier has incurred an mTBI.**

***Earlier detection = earlier intervention*.**

Holistic Cognitive Vitals

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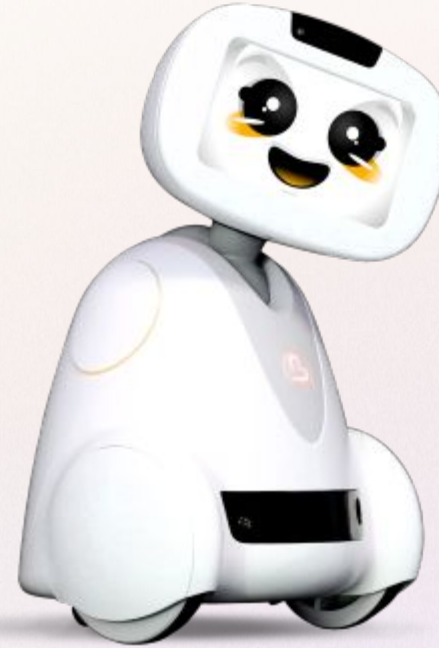
Affective Computing

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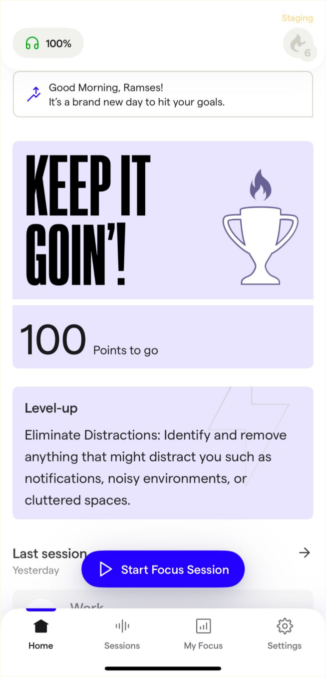
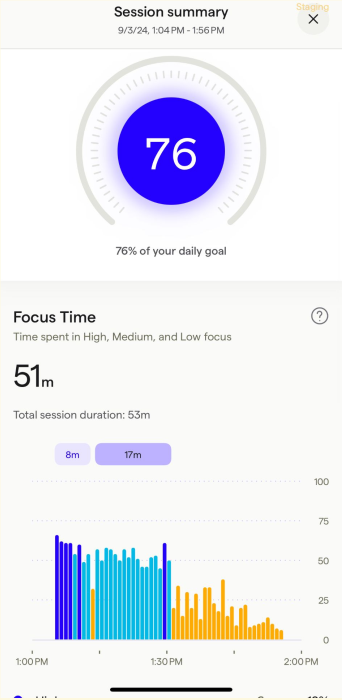
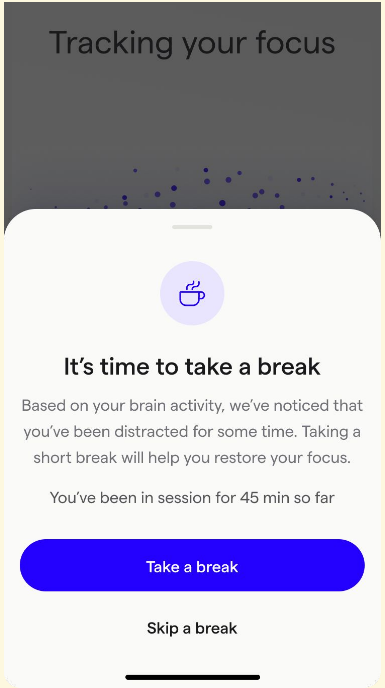
The first time every day humans can access their brains



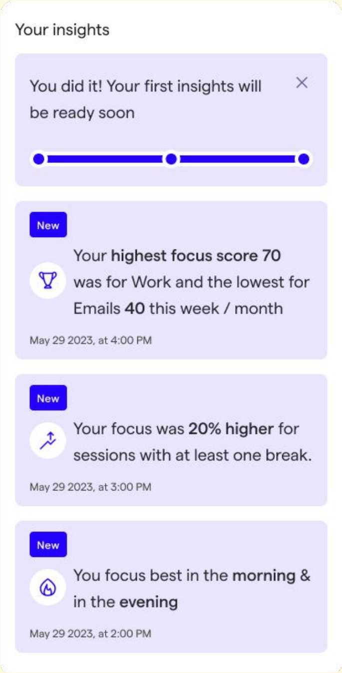
Motivate



Track Trends & Gauge Efficiency

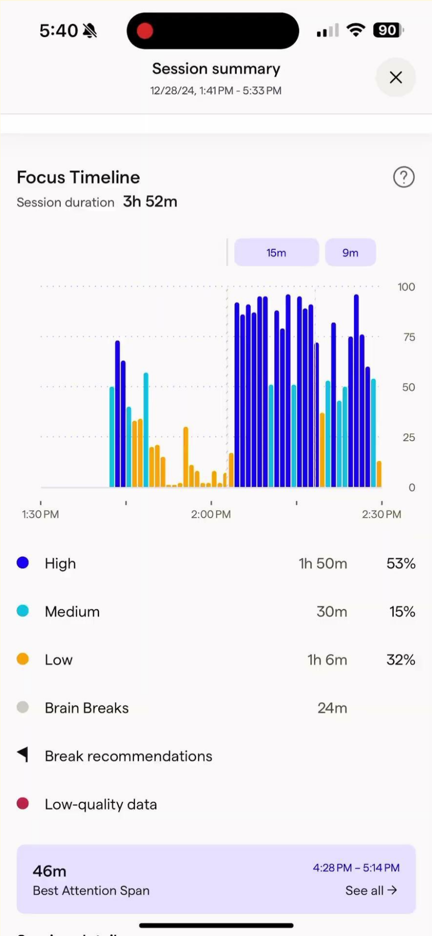


Prevent Burnout



Gain Insight

Real Life example of the power of breaks

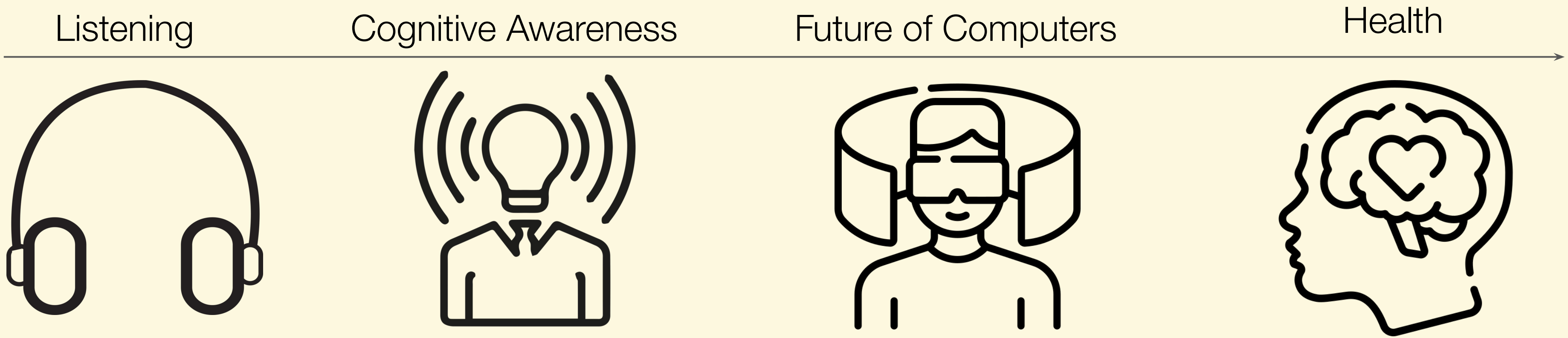


Neurable in Action – **Training Comprehension**

The Neurable Console gives commanders live insight into the readiness state of their operators – **enabling an unprecedented degree of prescience** to shift operators out *before critical mistakes are made.*

The ceiling for what you can do with the mind is immense.

Hearables will Evolve

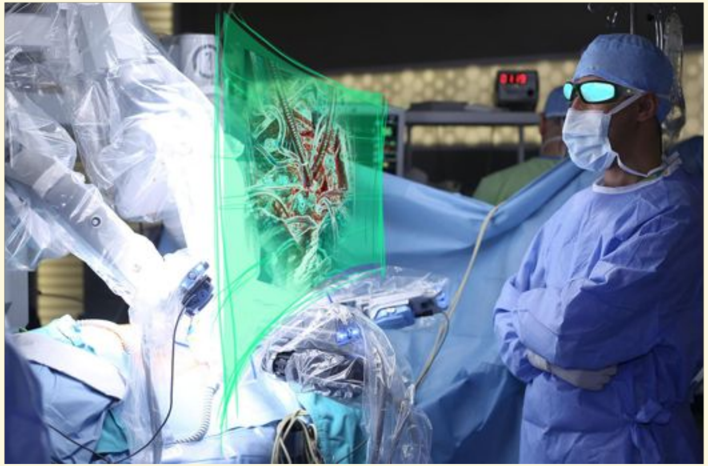



56 °F
Show Victims
Show Exits
14:45
Team
S.O.S


CHANGE MEASUREMENTS
CALL SUPPORT
HIDE GRID
547 TONS
UP
DOWN
2 Mts
SAFE ZONE

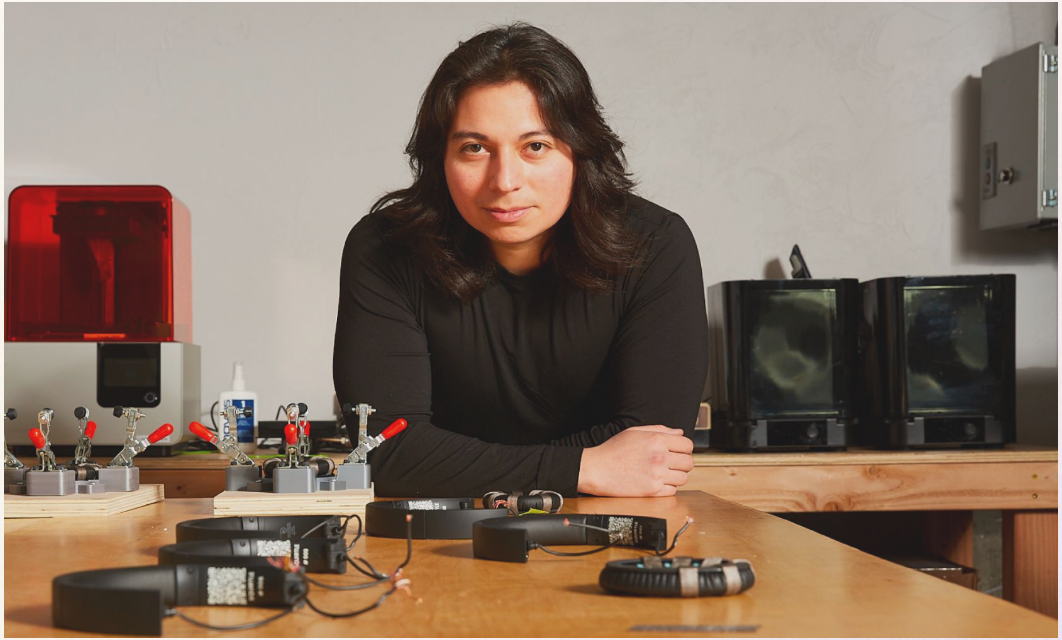

CALL
CALL


22°




Call a Taxi
View Map
Find a hotel nea
Hotel Neftaly
FIND
7:00 PM
Cancel
Change date

The mind. Unlocked.



Learn More

DR. RAMSES ALCAIDE, CEO

www.neurable.com