tinyML® for Good
Tiny technology for the world’s biggest challenges

tinyML4STEM: using tinyML for Neuroscience in K12

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www.tinyML.org
Problem: 1 in 5 people have a neurological disorder with no cures.
Problem: Neuroscience is deemed “hard” and not taught in schools
Solution: Develop DIY kits to enable neuroscience research in K12
Neuroscience signals are great for TinyML
Example: FOMO Glasses

Trained TinyML to detect eye blinks
Example: FOMO Glasses
Many human signals can be used!

**EMG – Artificial Hand**

**Skin Galvanometer / EKG – Poker-Bluff Detector**

**Motor Ctx EEG – Free Will**

**Visual EEG - SSVEP**
How you can help!

TinyML4STEM – Looking for other STEM sciences to partner with. Physics, Chemistry, Plant Biology, etc.

TinyML Neuroscience Fellowship – We will be running another summer program in May 2022.

More at: backyardbrains.com