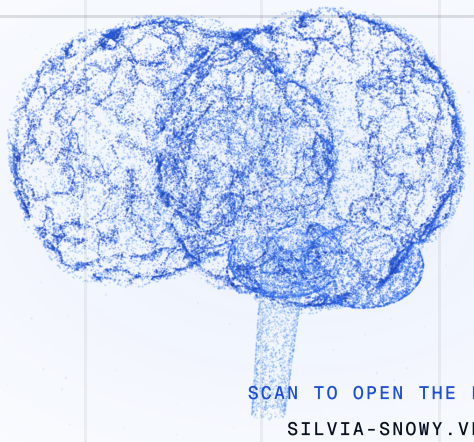
SOFTWARE THAT CONNECTS BRAIN HEADSETS TO ANY INTERFACE.

For BCI researchers and ML engineers. Silvia reads EEG from a brain headset, learns how one person's EEG changes when they imagine squeezing their left or right hand, and sends LEFT or RIGHT to an app, a robot or a robotic glove.

PROBLEM · SOLUTION · ONE EXAMPLE, STEP BY STEP · WHO IT'S FOR



SCAN TO OPEN THE LIVE PAGE
SILVIA-SNOWY.VERCEL.APP

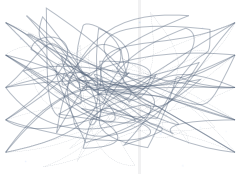
[01] // THE_PROBLEM

EVERY TEAM BUILDS IT FROM SCRATCH.

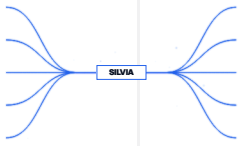
5 HEADSETS × 5 INTERFACES = 25 CUSTOM BRIDGES

Each headset streams EEG in its own format. Each app, robot or VR world expects its own commands. So each lab writes the code in between again, for every project.

TODAY



WITH SILVIA



[02] // THE_SOLUTION

SILVIA CONNECTS EACH ONE ONCE.

5 + 5 = 10 CONNECTIONS, BUILT ONCE

Headsets stream their EEG into Silvia. Silvia turns it into LEFT or RIGHT commands, with how sure it is. Apps, robots and gloves only listen for those commands.

[03] // ONE_EXAMPLE_STEP_BY_STEP

WHAT IT LOOKS LIKE.

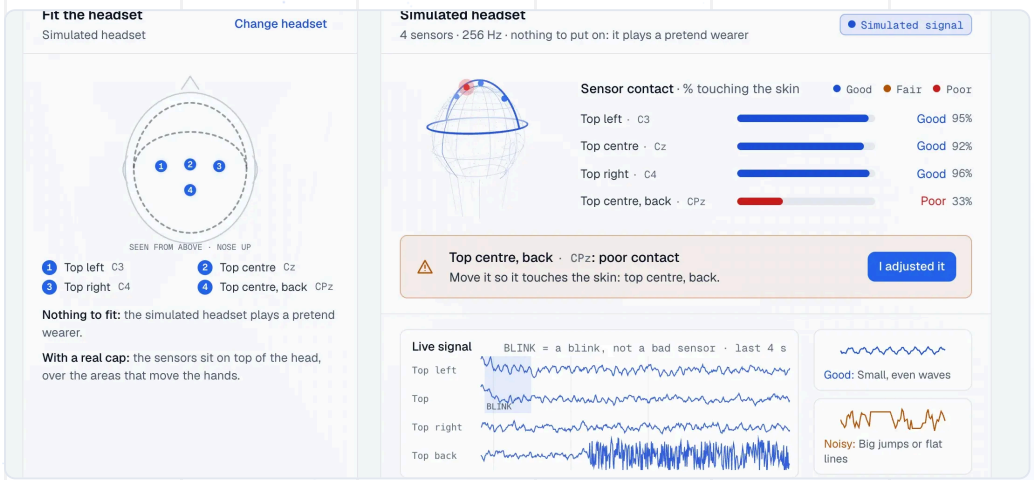
A rehab team trains a profile for P-07, a patient after a stroke, so that imagining a hand squeeze drives a robotic glove. Prototype screens, simulated data.

TRY IT ON A LAPTOP: SILVIA-SNOWY.VERCEL.APP/PROTOTYPE

01 CONNECT

CONNECT HEADSET

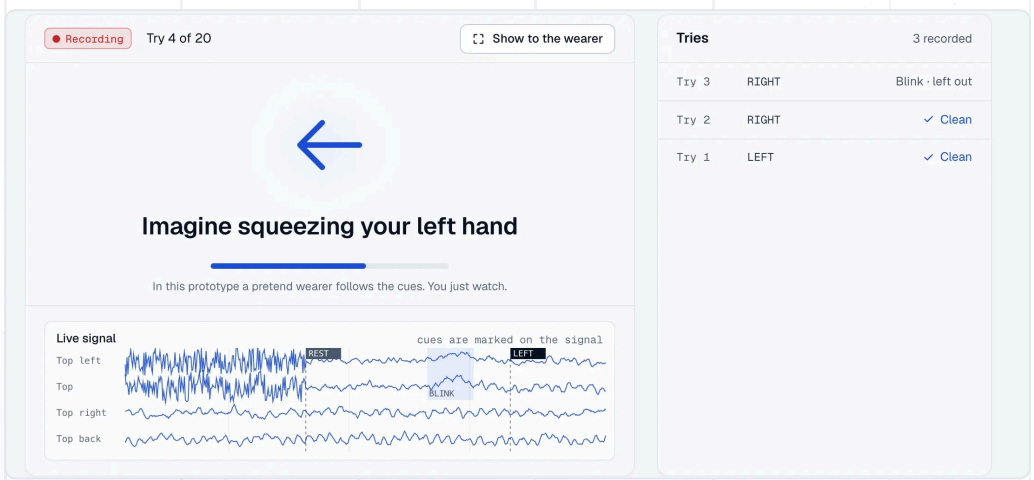
The therapist puts the headset on P-07. Silvia finds it and checks the 4 sensors over the hand areas, one by one.



02 RECORD

RECORD DATA

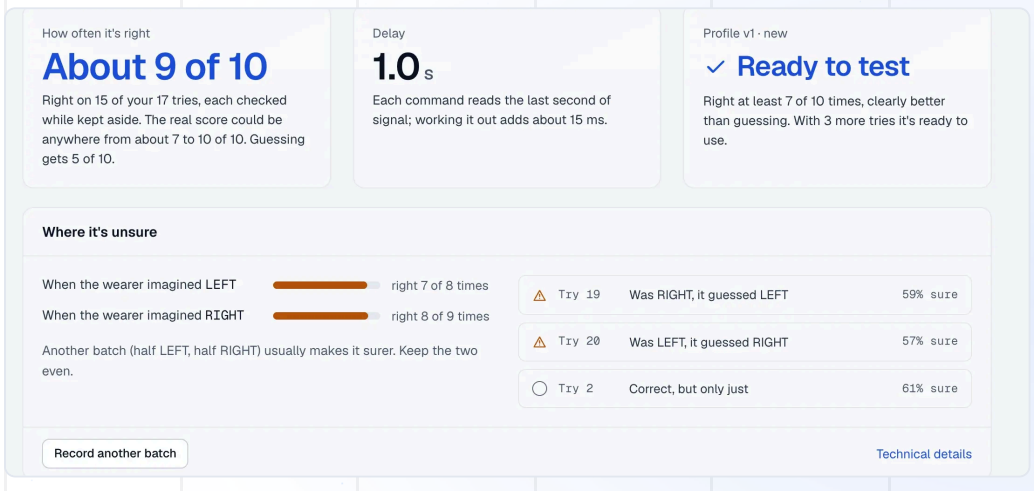
P-07 sees “Imagine squeezing your left hand” or “right hand”, 20 times. Silvia records the EEG of each try and leaves out blinks.



03 TRAIN

TRAIN PROFILE

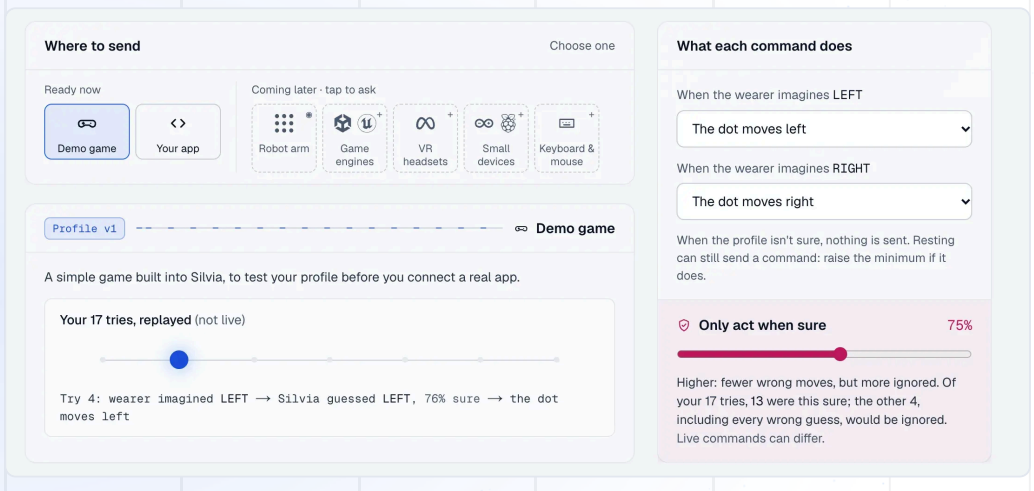
Silvia learns how P-07's EEG differs between left and right, and says how often it gets them right, on tries it didn't learn from.



04 SEND

SEND TO AN APP

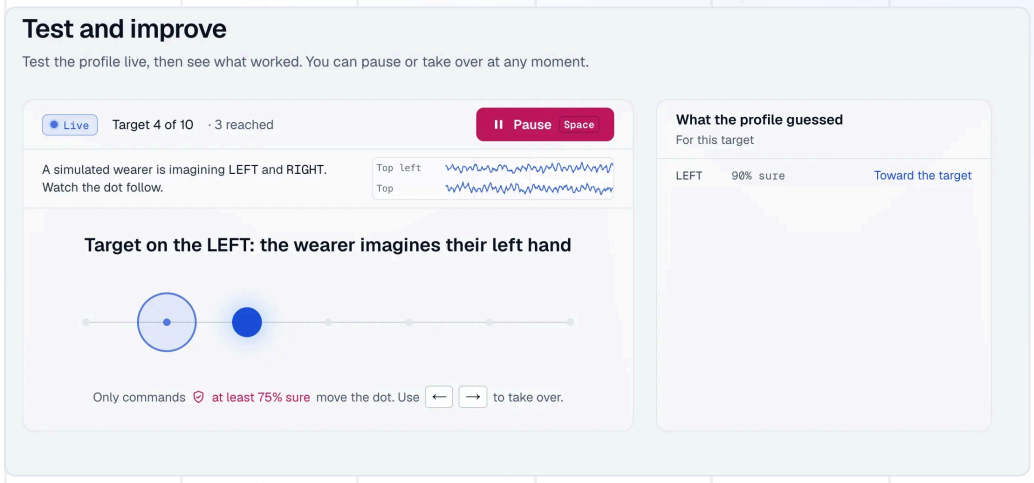
Choose where LEFT and RIGHT go, and how sure Silvia must be before it sends anything: 75% by default.



05 TEST

TEST AND IMPROVE

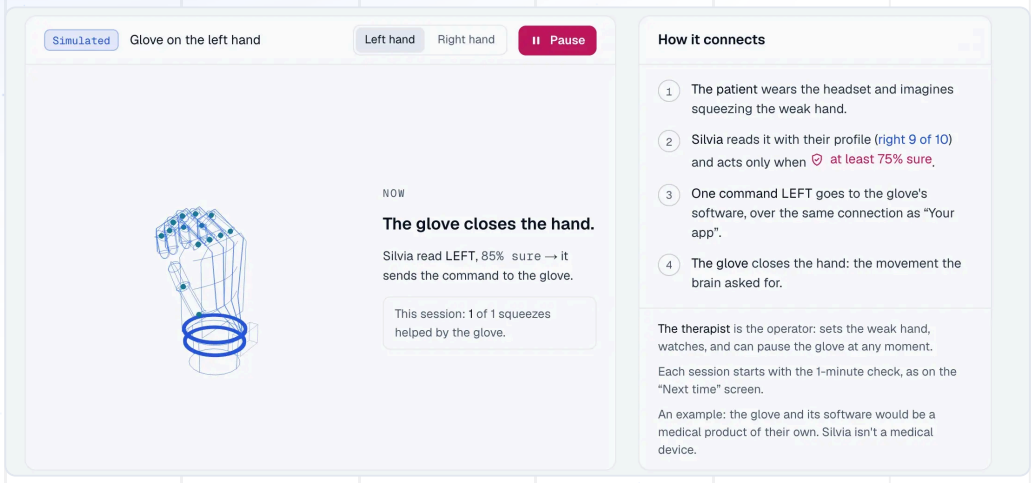
A live test: P-07 moves a dot to 10 targets by imagining a hand. Then a verdict: is the profile good enough to use?



06 USE

EXAMPLE: HAND REHAB

The same profile drives a robotic glove: when P-07 imagines squeezing the weak hand, the glove closes it.



[04] // WHO_ITS_FOR

WHO IT'S FOR.

Researchers first, then the teams who build on their work. What Silvia does for each:

SILVIA'S FIRST USERS.

BCI RESEARCHERS & ML ENGINEERS

Record EEG from any headset, train a left/right hand profile for each person, and compare test results. No setup scripts.

COLLABORATORS.

REHAB TEAMS

After a stroke, a robotic glove closes the patient's weak hand when their EEG shows they imagine squeezing it.

COLLABORATORS.

ROBOTICS TEAMS

A robot arm turns left or right when the wearer imagines moving that hand. A person can always stop it.

COLLABORATORS.

SOFTWARE & GAME TEAMS

A game or an app gets LEFT and RIGHT commands from the player's EEG, without building the EEG part.

Silvia is a research and development tool, not a medical device. Logos show planned integrations. Silvia is an independent project, not affiliated with these companies.