AI Research Scientist, Neural Interfaces (PhD)

Description

Reality Labs is seeking a Research Scientist to help us unleash human potential by eliminating the bottlenecks between intent and action. To achieve this, we're building a practical neural interface drawing on the rich motor neuron signals that can be measured non-invasively with neuron-level resolution. Our research lies at the intersection of computational neuroscience, machine learning, signal processing, statistics, biophysics, motor learning, perceptual psychophysics, and human-computer interaction.

We're looking for people who want to shape the future of this technology and are excited about joining our collaborative research team that has grown out of the acquisition of CTRL-labs.AI Research Scientist, Neural Interfaces (PhD) Responsibilities

- Plan and execute cutting-edge applied research to advance neural interface capabilities.
- Use quantitative research methods to define, iterate upon and advance key areas of our research agenda.
- Collaborate with engineering and HCI teams to translate fundamental scientific knowledge into new technology.

Minimum Qualifications

- Currently has, or is in the process of obtaining, a PhD in the field of computational neuroscience, machine learning, computer science, electrical engineering, relevant technical field, or equivalent practical experience. Degree must be completed prior to joining Meta.
- Research-oriented software engineering skills, including fluency with libraries for scientific computing (e.g. SciPy ecosystem) and machine learning (e.g. Scikit-learn, [PyTorch](), JAX, TensorFlow).
- Proficiency with quantitative methods (mathematics, statistics) and experience learning new technical knowledge and skills rapidly.
- 3+ years of experience working autonomously to design, execute, interpret, and present research studies.
- Must obtain work authorization in country of employment at the time of hire, and maintain ongoing work authorization during employment.
- Bachelor's degree in Computer Science, Computer Engineering, relevant technical field, or equivalent practical experience.

Preferred Qualifications

- Experience working and communicating cross-functionally in a team environment.
- Experience in signal processing and familiarity with real-time signals.
- Experience with large scale cluster computing for machine learning modelling.
- Proven track record of achieving significant results as demonstrated by grants, fellowships, patents, as well as first-authored publications at leading workshops or conferences such as NeurIPS, ICML, ICLR, COSYNE or similar.
- Demonstrated software engineer experience via an internship, work experience, coding competitions, or widely used contributions in open

source repositories (e.g. GitHub).

LocationsAbout Meta Meta builds technologies that help people connect, find communities, and grow businesses. When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented and virtual reality to help build the next evolution in social technology. People who choose to build their careers by building with us at Meta help shape a future that will take us beyond what digital connection makes possible today—beyond the constraints of screens, the limits of distance, and even the rules of physics. Meta is committed to providing reasonable support (called accommodations) in our recruiting processes for candidates with disabilities, long term conditions, mental health conditions or sincerely held religious beliefs, or who are neurodivergent or require pregnancy-related support. If you need support, please reach out to accommodations-ext@fb.com.

How the process will look like

Your teammates will gather all requirements within our organization. Then, once priority has been discussed, you will decide as a team on the best solutions and architecture to meet these needs. In continuous increments and continuous communication between the team and stakeholders, you're part of making data play an even more important (and understood) part withing Brand New Day.

Job Benefits

EUR 38K – 71K *