☰   ∞ Meta

Research Scientist, Neural Interfaces - Machine Learning

Paris, France • London, UK • Full Time

| Meta | AR/VR | AI Research | Research |

Apply to this job

Reality Labs is seeking an AI 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 leverage state-of-the-art ML to push the limits of non-invasive neuromotor interfaces.

Research Scientist, Neural Interfaces - Machine Learning Responsibilities

- Research and develop machine learning models that leverage biosignals to advance neural interface capabilities
- Build cutting-edge machine learning and signal processing models (event detection, sequence-to-sequence, signal separation, time series regression, data compression, data augmentation etc.)

- Use quantitative research methods to define, iterate upon and advance key areas of our research agenda

Minimum Qualifications

- Obtained 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)

About 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.

Equal Employment Opportunity

Meta is proud to be an Equal Employment Opportunity employer. We do not discriminate based upon race, religion, color, national origin, sex (including pregnancy, childbirth, reproductive health decisions, or related medical conditions), sexual orientation, gender identity, gender expression, age, status as a protected veteran, status as an individual with a disability, genetic information, political views or activity, or other applicable legally protected characteristics. You may view our Equal Employment Opportunity notice [here](.).

Meta is committed to providing reasonable accommodations for qualified individuals with disabilities and disabled veterans in our job application procedures. If you need assistance or an accommodation due to a disability, fill out the [Accommodations request form](.).

Apply for this job

Take the first step toward a rewarding career at
Meta.

Apply to this job

APPLY NOW

Find your role

Explore jobs that match your skills and experience. Search by technology, team or location to find an opening that's right for you.

View jobs

Meta | Careers

Follow us

Career programs   ⌄

Teams   ⌄

Working at Meta   ⌄

My account   ⌄

About us   ⌄

Equal Employment Opportunity

Meta is proud to be an Equal Employment Opportunity employer. We do not discriminate based upon race, religion, color, national origin, sex (including pregnancy, childbirth, reproductive health decisions, or related medical conditions), sexual orientation, gender identity, gender expression, age, status as a protected veteran, status as an individual with a disability, genetic information, political views or activity, or other applicable legally protected characteristics. You may view our Equal Employment Opportunity notice here.

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 assistance or an accommodation due to a disability, fill out the Accommodations request form .

Community Standards | Data Policy

Terms | Cookie Policy