Data Science Intern, Machine Learning

New Equilibrium Biosciences discovers drugs that target intrinsically disordered proteins (IDPs), with the mission of creating transformative medicines for patients with life-threatening diseases. IDPs are a class of shape-shifting proteins that regulate many cellular systems and include over one third of human proteins. These proteins are highly involved in disease, but their extreme flexibility challenges traditional methods for resolving protein structure, prohibiting rational drug design. New Equilibrium is overcoming this challenge through our computational-experimental IDP-Shift platform, which combines accurate modeling of IDP conformations with experimental biophysics to enable ensemble-based drug design for IDPs. A key component of our platform is our machine learned force field which describes protein dynamics at the quantum chemical level.

We are recruiting machine learning scientists interns to join our team of highly motivated scientists to expand and improve our machine-learned force field for IDPs. The successful candidate will become a key contributor to our machine learning and data science efforts, focused on developing machine learning models to accurately reproduce quantum chemistry on biomolecular systems. By contributing to our machine learning efforts, they will play an integral role in enabling structure-based drug design for IDPs and discovering new drugs for patients.

Required Qualifications:

- Degree in computer science or related field with experience in machine learning (Ph.D. preferred)
- Fluent in Python and key machine learning libraries (e.g. PyTorch, TensorFlow, or JAAX)
- Ability to prioritize well and communicate clearly
- Attention to detail and high level of organization

Desirable Qualifications:
- Experience in applying machine learning to molecular systems
- Proficient with common development tools (e.g. Git and Kanban) and processes (e.g. testing and code reviews)
- Experience in the industry
- Experience with CUDA

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If interested, please send your CV and cover letter to careers@newequilibriumbio.com. Cover letters can be addressed to Drs. Lars Bratholm and Virginia Burger. Apply now to join us in our mission of creating new medicines for life-threatening diseases!

About New Equilibrium

New Equilibrium was founded in 2019 to discover new medicines for patients with life-threatening diseases. NEQ's IDP-Shift platform marries AI and biophysics to reveal experimentally invisible conformations of shapeshifting proteins. This first-in-kind technology enables the rational design of drugs targeting the elusive class of intrinsically disordered proteins, including many of the most desirable targets for cancer, neurodegeneration, and other indications. Supported by a world-class Scientific Advisory Board, New Equilibrium has attracted grant and venture funding to build a cross-disciplinary team of experts in AI, biophysics, and quantum chemistry. To learn more, please visit: newequilibriumbio.com

[PLEASE NOTE]: New Equilibrium will not accept unsolicited resumes from any source other than directly from a candidate. Temporary staffing agencies, placement services, and professional recruiters are directed to not send unsolicited resumes to our company and employees, as we will not be responsible for any placement fees.

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