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MACHINE LEARNING ENGINEER, AI FOR DRUG DISCOVERY (FOUNDATIONAL MODELS)

⦿ New York City, New York, United States of America   Full time

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☆ SAVE JOB

THE POSITION

A healthier future. It's what drives us to innovate. To continuously advance science and ensure everyone has access to the healthcare they need today and for gene Creating a world where we all have more time with the people we love. That's what makes us Roche.

Advances in AI, data, and computational sciences are transforming drug discovery and development. Roche's Research and Early Development organisations at Ge Pharma (pRED) have demonstrated how these technologies accelerate R&D, leveraging data and novel computational models to drive impact. Seamless data sharin across gRED and pRED are essential to maximising these opportunities. The new Computational Sciences Center of Excellence (CoE) is a strategic, unified group w this transformative power of data and Artificial Intelligence (AI) to assist our scientists in both pRED and gRED to deliver more innovative and transformative medic worldwide.

The Opportunity

At Prescient Design, we are revolutionizing drug discovery with cutting-edge machine learning techniques. We are seeking talented engineers with a passion for bu
distributed machine learning algorithms and systems that will transform the drug discovery process. We are seeking an exceptional Machine Learning Engineer to d
Foundation Models and enable the next generation of machine learning for drug discovery. We are looking for someone who is not only passionate about technical
also has a proven track record of delivering innovative solutions in AI/ML. The ideal candidate should have extensive experience in leading and managing a team of
scientists and be able to foster a culture of innovation, collaboration, and excellence across the broader gCS organization. The group provides a dynamic and chall
for multidisciplinary research, including access to heterogeneous data sources, close links to top academic institutions around the world, as well as collaborations
Genentech and Roche teams.

In this role, you will:

- Participate in cutting-edge research and development in LLMs for various, cutting-edge internal applications, including drug discovery/development and biome
  Develop LLMs, including data engineering, pretraining, finetuning, post-training, and evaluation as well as deploy models in production environments, working
  engineers to ensure scalability and reliability

- Solve core ML and engineering challenges including the design, implementation, and scaling of our data, training, and deployment pipeline

- Collaborate closely with cross-functional teams across both Prescient Design and gRED to solve complex problems in the life sciences

Who you are:

- You have an MS/BS in Computer Science, Statistics, related field, or equivalent experience and 2+ years of industry experience in machine learning, or a PhD in
  related field and 0+ years of industry experience.

- You have demonstrated success in technical capabilities, deploying machine learning models in production environments or in ML/LLM research

- You have strong programming skills in Python

- You have extensive experience with deep learning/LLMs.

- A dynamic and resilient individual who excels in a rapidly evolving environment, taking initiative on projects and continuously learning and adapting to new cha
  opportunities.

- A collaborative and open-minded team player who values constructive feedback, refrains from judgment, and fosters a positive and respectful team environmen

- Strong communication skills, with the ability to effectively communicate technical concepts to both technical and non-technical audiences as well as interfacin
  engineering leadership

- A passion for solving complex technical problems and a commitment to staying up-to-date with the latest developments in machine learning

- Experience collaborating with external scientific partners, such as academic institutions or industry research groups

- An extensive track record of delivering innovative solutions in machine learning

Relocation benefits are available for this job posting

The expected salary range for this position, based on the primary location of New York City, is $141,100 - $262,100 of hiring range. Actual pay will be determined
qualifications, geographic location, and other job-related factors permitted by law. A discretionary annual bonus may be available based on individual and Compa
position also qualifies for the benefits detailed at the link provided below. (http://https//roche.ehr.com/default.ashx?CLASSNAME=splash)

Benefits (http://https//roche.ehr.com/default.ashx?CLASSNAME=splash)

#ComputationCoE

#tech4lifeComputationalScience

#tech4lifeAI

Genentech is an equal opportunity employer. It is our policy and practice to employ, promote, and otherwise treat any and all employees and applicants on the bas
qualifications, and competence. The company's policy prohibits unlawful discrimination, including but not limited to, discrimination on the basis of Protected Vete
with disabilities status, and consistent with all federal, state, or local laws.

If you have a disability and need an accommodation in relation to the online application process, please contact us by completing this form Accommodations for A
(https://docs.google.com/forms/d/e/1FAIpQLSdZWlsbfQOvFVIQgHE_iDzWUTlhZvj6FytIzjS7xq6IGh1H5g/viewform).

JOB FACTS

Job Sub Category

Artificial Intelligence & Machine Learning

Schedule