

# AIML - Machine Learning Research Engineer, Foundaton Models

New York City, New York, United States  
Machine Learning and AI

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## Summary

Posted: **Nov 18, 2024**

Weekly Hours: **40**

Role Number:**200577782**

We are a group of engineers and researchers responsible for building foundation models at Apple. We build infrastructure, datasets, and models with fundamental general capabilities such as understanding and generation of text, images, speech, videos, and other modalities and apply these models to Apple products.

We are looking for engineers passionate about building systems that push the frontier of deep learning in terms of scaling, efficiency, and flexibility and delight millions of users in Apple products.

## Description

We believe that the most interesting problems in deep learning research arise when we try to apply learning to real-world use cases, and this is also where the most important breakthroughs come from. You will work with a close-knit and fast-growing team of world-class engineers and scientists to tackle some of the most challenging problems in foundation models and deep learning, including natural language processing, multi-modal understanding, and combining learning with knowledge.

Further, you will have opportunities to identify and develop novel deep learning applications in Apple products. You will see your ideas not only published in papers, but also improve the experience of millions of users.

## Minimum Qualifications

- Proven track record in training or deployment of large models or building large-scale distributed systems.
- Proficient programming skills in Python and one of the deep learning toolkits such as JAX, PyTorch, or Tensorflow.
- Ability to work in a collaborative environment.
- PhD, or equivalent practical experience, in Computer Science, or a related technical field.

## Preferred Qualifications

- Web-scale information retrieval
- Human-like conversation agent
- Multi-modal perception for existing products and future hardware platforms
- On-device intelligence and learning with strong privacy protections

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## Pay & Benefits

At Apple, base pay is one part of our total compensation package and is determined within a range. This provides the opportunity to progress as you grow and develop within a role. The base pay range for this role is between \$175,800 and \$312,200, and your base pay will depend on your skills, qualifications, experience, and location.

Apple employees also have the opportunity to become an Apple shareholder through participation in Apple's discretionary employee stock programs. Apple employees are eligible for discretionary restricted stock unit awards, and can purchase Apple stock at a discount if voluntarily participating in Apple's Employee Stock Purchase Plan. You'll also receive benefits including: Comprehensive medical and dental coverage, retirement benefits, a range of discounted products and free services, and for formal education related to advancing your career at Apple, reimbursement for certain educational expenses — including tuition. Additionally, this role might be eligible for discretionary bonuses or commission payments as well as relocation. [Learn more about Apple Benefits.](#)

Note: Apple benefit, compensation and employee stock programs are subject to eligibility requirements and other terms of the applicable plan or program.

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Apple is committed to working with and providing reasonable accommodation to applicants with physical and mental disabilities. [Learn more.](#)

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iPhone	Entertainment	Group Reservations		Inclusion and Diversity
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AirPods		Certified Refurbished	Shop for College	
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AirTag	Apple Arcade	Apple in Healthcare		
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