

[The MIT Office and Research Computing and Data \(ORCD\)](#), in conjunction with industry partner AMD and the MIT AI Hardware Program, has two summer research-related positions in porting and optimizing machine learning algorithms on AMD GPU hardware.

Position Description:

These positions are suited to graduate students and postdoctoral scholars with an interest in hands-on performance engineering and validation of applications in machine learning.

The project will include working with AMD collaborators as well as with ORCD staff on select, high-impact machine learning codes and looking at how these codes can leverage AMD GPU systems efficiently.

Areas of interest potentially span all styles of machine learning. They include vision and language model generative AI fine-tuning as well as multi-modal foundation model experimentation.

Projects participants will have access to MIT AMD GPU resources and GPU resources available through AMD research collaborations, working with AMD senior technical staff in AMD Research and Advanced Development.

Appointment Details:

These positions will run in June and July, with the potential to extend into August. These roles will work up to 40 hours per week, at a rate of \$25/hour.

Working hours will be Monday through Friday, 9AM-5PM (excluding Institute holidays), with some potential for flexibility on exact hours. The work location will be hybrid, with some work being done remotely and some work being done on-campus in ORCD's offices.

How to Apply:

Interested students and postdocs should send a CV and a short letter describing their relevant experience, interest and any ideas for a summer project to Chris Hill (cnh@mit.edu).