The Machine Learning Team at the National Institute of Mental Health in Bethesda, MD, has an open position for a research assistant, under the National Institutes of Health IRTA program.

Our mission is to help local scientists use machine learning methods to address research problems in clinical and cognitive psychology and neuroscience. We work with very large brain imaging datasets, in many different imaging modalities, as well as behavioral data, picture and text corpora, etc. We also develop new machine learning methods and publish in the main machine learning conferences, and in psychology and neuroscience journals.

You would be working with us on all of these activities and have the opportunity to be the lead on some of the projects, as well as co-author on other publications. As part of these efforts, you would actively contribute (e.g. write python code and design experiments), as well as learn more about machine learning (e.g. read papers, attend courses and conferences, and be taught one-on-one). We have very good computational resources, both of our own (tens of GPUs for deep learning) and shared with other institutes (a top-100 supercomputer with hundreds of thousands of CPUs, and hundreds of GPUs). This is an ideal position for someone who plans on applying to graduate school in machine learning or a related discipline. The knowledge you will acquire, the potential publication record, and our support in preparing your graduate application will both improve your prospects, and help you in any other career path.

You can find more about our work here

https://cmn.nimh.nih.gov/mlt

and the National Institutes of Health IRTA training program here

https://www.training.nih.gov/programs/postbac_irta

Candidates should be in the final year of an undergraduate degree in computer science, mathematics, statistics, biomedical engineering, or physics; we can also consider other areas, given adequate programming and research experience. If you would like to be considered for this position, please email francisco.pereira@nih.gov an application letter and a CV, highlighting your programming experience and participation in research projects. Other inquiries are also welcome. Thank you for your interest!

Applications received by January 7th, 2019 will receive full consideration, but applications will be accepted until the position is filled. DHHS and NIH are Equal Opportunity Employers.