Microsoft Research New England Research Assistant
Cancer Immunotherapy and Machine Learning

Are you a recent college graduate looking to increase your expertise in machine learning or computational biology research before pursuing a Ph.D.? Do you consider yourself a self-starter who is motivated to expand your knowledge and experience in python and machine learning? If so, you may be the person we're looking for to fill our contract research assistant position.

About Us

[Microsoft Research New England's Computational Biology Group](#) thrives at the intersection of computer science and biology. We have advanced the state of the art across several domains, including setting the standard for RNA guide selection for CRISPR gene editing. We are now [collaborating with experts in cancer immunotherapy at several leading cancer centers and universities](#) to use machine learning to better understand and harness the power of the human immune system to fight cancer. More information is available on our [website](#)about our team's work and Microsoft Research generally.

We have an open contract RA position starting immediately and ending June 30, 2019 (with the potential to extend). Interviews will start immediately.

About You

The successful candidate will have the following required skills:

- Demonstrated proficiency in Python programming—in particular, scientific computing using tools such as numpy/scipy/scikit-learn/pandas
- Basic expertise in machine learning, such as would be acquired through undergraduate courses
- Demonstrated ability to structure and motivate your learning and workload under the mentorship of a diverse group of researchers and data scientists
- Experience working with data

Additional preferred skills (desired but not required) include at least some of:

- Basic expertise in biology or bioinformatics, such as would be acquired through undergraduate courses
- Comfort with command-line tools and scripting (e.g., bash, PowerShell)
- Experience with pre-processing biological data (accessing common databases, using pipelines)
- Experience working with large datasets

The candidate will work under the supervision of [Lester Mackey](#), [Vasilis Syrgkanis](#) (located in our [New England lab](#) in Cambridge, MA) and [Miro Dudik](#) (located in our [New York City lab](#) in Manhattan). Although Cambridge, MA is the preferred location for this position, it may also be possible to locate the position in NYC if needed.

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To Apply

Please email the materials listed below to msrsu2cRAjobs@microsoft.com. Use "**MSR SU2C RA Position**" as the subject line to ensure that your application is filed properly.

Application Materials:

1. A cover letter that includes:
   - A description of your level of expertise in the required and preferred skills listed above.
   - A brief description of your experience as a research assistant and with any independent research (e.g. thesis or other research projects).
   - The names of two or three references, and their contact information. At least one reference must be someone for whom you have worked as a research assistant or someone who has supervised your work.
2. A current CV or resume.
3. All relevant academic transcripts (unofficial is fine).

By submitting your application materials to msrsu2cRAjobs@microsoft.com you agree to the Microsoft Careers Privacy and Cookies policy (https://careers.microsoft.com/us/en/privacyandcookies).

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire.

We are not able to offer employment-based visa sponsorship for this position.