

**Post-Doctoral Fellow  
Worcester Polytechnic Institute**

Direct Link: <https://www.AcademicKeys.com/r?job=245992>

Downloaded On: Sep. 30, 2024 9:32pm

Posted Sep. 30, 2024, set to expire Jan. 24, 2025

<b>Job Title</b>	Post-Doctoral Fellow
<b>Department</b>	
<b>Institution</b>	Worcester Polytechnic Institute Worcester, Massachusetts
<b>Date Posted</b>	Sep. 30, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Statistics & Actuarial Science Computer/Information Sciences Biology - Neuroscience/Neurobiology Biology - Computational
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**Job Description**

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**JOB TITLE**

Post-Doctoral Fellow

**LOCATION**

Worcester

**DEPARTMENT NAME**

Computer Science NFR - JM

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### **DIVISION NAME**

Worcester Polytechnic Institute - WPI

### **JOB DESCRIPTION SUMMARY**

Dr. Yousefi's research group at WPI (<https://www.wpi.edu/people/faculty/ayousefi>) seeks a highly motivated postdoctoral scholar to develop advanced statistical and machine learning techniques to discover reliable markers of suicidal thinking and suicidal intent using brain and behavioral signals. This will be a four-year discovery effort, and if successful, the technology would form the basis of a new approach to mental health assessment.

WPI is a diverse campus of learners passionate about creating an inclusive workplace that promotes and values diversity. We are looking for candidates who can support our commitment to equity, diversity, and inclusion.

### **JOB DESCRIPTION**

This is a project leadership role funded by a four-year grant from the Defense Advanced Research Projects Agency (DARPA). You will be part of a multidisciplinary team of researchers from engineering, psychology, neuroscience, and computer science backgrounds. The team is spread across three time zones and from different institutions and shares responsibility for deliverables on tight timelines.

The position is with the Department of Computer Science and Neuroscience Program at WPI, Worcester, MA. The Department of Computer Science is the largest department at WPI with more than 35 tenured faculties.

This is a 12-month, fixed-term position with the possibility of additional years conditional upon performance and funding availability. Postdoctoral scholars receive comprehensive benefits packaging including medical, dental, vision, and life insurance, among many other benefits.

Candidates should have the following qualifications:

- (1) Ph.D. from a top university with demonstrated research activity in statistical and Machine learning algorithm development
- (2) Prior research experience in neuroscience data analysis and computational neuroscience is highly preferred
- (3) Excellent communication skills can be demonstrated through their research publications and presentations.
- (4) Experience with Python and cloud-based programming

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Specific responsibilities include:

- Perform large-scale data analysis and visualization on EEG, fMRI, ECOG, and behavioral data
- Design and implement ML and statistical algorithms for the neural and behavioral data analysis
- Mentor and train junior team members
- Create technical reports, presentations, and documentation associated with the research and meetings.

Publish research articles in peer-reviewed conferences and journals and present at conferences

A review of applications will be done immediately and continue until the position is filled. Interested candidates should submit a cover letter, CV, and the names and contact information of three professional references as a single pdf file attachment.

### **FLSA STATUS**

United States of America (Exempt)

**WPI is an Equal Opportunity Employer that actively seeks to increase the diversity of its workplace. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals with diverse backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.**

**To apply, visit:** [https://wpi.wd5.myworkdayjobs.com/en-US/WPI\\_External\\_Career\\_Site/job/Worcester/Post-Doctoral-Fellow\\_R0002530](https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Post-Doctoral-Fellow_R0002530)

### **About WPI**

WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

### **Diversity & Inclusion at WPI**

WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet

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departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

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**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**

N/A

Worcester Polytechnic Institute

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