

Available Postdoc Position

RUA

Position ID Number	100011
Supervisor Name	Lucas Janson
Supervisor Title	Assistant Professor of Statistics
Phone Number	
Supervisor Email	ljanson@fas.harvard.edu
Lab Website	http://lucasjanson.fas.harvard.edu/
Affiliated Institution	Harvard University
Contact Name	Jessica Brenn
Contact Title	Area Coordinator
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Contact Phone Number	
Date of Best Consideration	10/1/21
Application Close Date	6/1/22
Anticipated Start Date	9/5/22
Job Website	https://academicpositions.harvard.edu/postings/10730
Job Location	Cambridge, MA
Is remote work possible?	No
CIP Codes	1.9 Computer Engineering, General 2.3 Statistics 6.14 Neurobiology and Neurosciences

Postdoctoral Fellow in the Theory of Representation
Learning in Artificial and Natural Systems

Job Description

The Harvard Theory of Machine Learning invites applications for a postdoctoral fellowships in a multidisciplinary study of the underpinnings of deep learning, and in particular representation learning, transfer learning, generalization, and connections between artificial neural networks and natural learning systems including human and animal brains. We are looking for exceptional junior scientists to work collaboratively with a group of faculty from Computer Science (Boaz Barak), Statistics (Lucas Janson), Electrical Engineering (Demba Ba) and Applied Mathematics (Cengiz Pehlevan) towards a theory of representations in artificial and natural systems. Candidates should suggest at least two of these faculty as potential advisors for their proposed research. The duration of the fellowship will be one year with the possibility of extending for an additional year.

The candidate will be expected to publish scholarly papers, attend internal, domestic, and international conferences

Required Qualifications

Candidates are required to have a doctorate or terminal degree in Computer Science or a related area by the expected start date. Candidates should have backgrounds in one or more of the following areas: machine learning, statistics, computational neuroscience, theoretical computer science, applied mathematics, or electrical engineering. We do not expect candidates to know everything about all these areas, but be willing to learn and collaborate with researchers from different areas and

Desired Qualifications

Minimum Monthly Salary \$0

Maximum Monthly Salary \$0

Special Instructions for Applicants

Required application documents include a cover letter, CV, a statement of research interests, and up to three representative papers. Candidates are also required to submit the names and contact information for at least three and up to five references, and the application is complete only when three letters have been submitted.

Opportunities for teaching? Yes

Opportunities for supervision/mentoring? Yes

Opportunities for communitiy outreach? Yes

Position keywords Representation Learning Machine Learning Neural Networks Neuroscience
