



Deep Learning research group at the Hebrew University, led by Prof. Amnon Shashua, is looking for a new M.Sc. student

Deep Learning refers to a class of Machine Learning models experiencing tremendous empirical success in recent years, powering state of the art technologies for visual perception, speech recognition, text analysis and more. However, despite the vast scientific and industrial interest in Deep Learning, these models remain a mystery. Why is depth so powerful? What is the advantage of one network architecture over another? Why is training possible, and how can we improve upon current methods? What about generalization? Answers to these questions will have a huge impact, on both the technological community, and the world at large.

A group of researchers at the School of Computer Science and Engineering in the Hebrew University of Jerusalem, led by [Prof. Amnon Shashua](#), is attempting to tackle the above questions, and more. Through a combination of abstract mathematics, theoretical physics, high-end engineering, and extensive empirical evaluations, we aim to develop theoretical foundations behind Deep Learning, and as a consequence, bring forth new algorithms that improve upon the state of the art.

We are looking for a capable M.Sc. student to join the group and take central part in our research. The position is intended to cover the thesis of a full-time student, including financial benefits (scholarship).

Qualifications:

- B.Sc. in computer science or engineering from a well-known institution (in Israel or abroad), with grade point average of at least 90/100 or equivalent
- Strong mathematical background – major advantage
- Background in machine learning – major advantage
- Background in optimization – advantage
- Background in statistics – advantage
- Background in theoretical physics – advantage
- Good programming skills in Python, experience with Linux
- High degree of self-education, work ethic and creativity

To apply, please send curriculum vitae and B.Sc. records to:

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