

Funded PhD studentship:

The *School of Computer Science* at the University of Manchester is offering a funded Ph.D. studentship, which covers the full costs of UK/EU tuition and standard living fees.

The university is ranked 33rd in the world by QS World University Rankings 2015-16. In the 2015 Academic Ranking of World Universities, Manchester is ranked 35th in the world and 5th in the UK. In the latest REF assessment, the school was ranked in the top 5% in the UK (4th out of 89 submissions) based on GPA, and joint-top for research impact in terms of “world-leading” (4*) or “internationally excellent” (3*) research and impact cases and best environment.

This research work will be within the fields of machine learning, pattern recognition and artificial intelligence. The broad aim will be to develop advanced mathematical modelling and large-scale optimisation techniques, to simulate human intelligence for solving complex tasks, such as matching, recognition, relation extraction, or text/image understanding. The developed techniques will be simulated on real-world tasks, such as generating text description of image/video content, question answering, image understanding, language interpretation, etc.

We will consider applicants who have:

- Very strong interest in the above research fields.
- An excellent undergraduate degree in Computer Science or Mathematics (or related discipline), and preferably, a relevant M.Sc. degree.
- Very good experience with computer programming of mathematical models and algorithms (in Matlab, R or Python, or other platforms).
- Excellent report writing and presentation skills.
- Good ability to communicate with fellow students and colleagues.

Please, note that applicants must additionally satisfy the standard requirements for postgraduate studies at the University of Manchester, such as a first-class or high upper-second class (or an equivalent international qualification) and English language qualifications, as stated in the PGR guidelines.

Qualified applicants are strongly encouraged to informally contact the supervising academic Dr. Tingting Mu (tingting.mu@manchester.ac.uk) to discuss the application and possible research titles prior to applying.