

## Education

PhD Computer Science, Imperial College London	10/2013 -
Supervisor: Professor Stephen Muggleton	
Thesis: Meta-interpretive learning efficient logic programs	
MSc Computer Science, University of Oxford	10/2010 - 10/2011
Supervisor: Dr Brian Harrington	
Thesis: Modelling stock volume using Twitter	
BSc Computer Science, Nottingham Trent University	10/2005 - 07/2009
Supervisor: Dr Caroline Langensiepen	
Dissertation: Scenes from a book	

## Experience

Research Intern, National Institute of Informatics, Tokyo, Japan	10/2014 - 12/2014
Supervisor: Professor Katsumi Inoue	
Research Assistant, University of Cambridge	07/2013 - 10/2013
Supervisor: Dr Eiko Yonkei	
Research Engineer, MFG Labs, Paris, France	01/2012 - 07/2013
Software Engineer, Esendex, Nottingham	01/2010 - 10/2010
Software Engineer, Counter Solutions, Derbyshire	06/2007 - 10/2008

## Publications

1. Andrew Cropper and Stephen Muggleton. Learning efficient logical robot strategies involving composable objects. In Proceedings of the 15th International Joint Conference on Artificial Intelligence (IJCAI 2015). In press.
2. Andrew Cropper. Learning efficient logic programs. In Proceedings of the 15th International Joint Conference on Artificial Intelligence (IJCAI 2015). In press.
3. Andrew Cropper and Stephen Muggleton. Logical minimisation of metarules in meta-interpretive learning. In Proceedings of the 24th International Conference on Inductive Logic Programming (ILP 2014). In press.
4. Andrew Cropper. Identifying and inferring objects from textual descriptions of scenes from books. In 2014 Imperial College Computing Student Workshop (ICCSW 2014), vol. 43, pp. 19-26. Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, 2014.

## Awards and grants

- Machine Learning Journal best student paper ILP 2014
- National Institute of Informatics international internship program 10/2014 - 12/2014
- Full BBSRC PhD case studentship 10/2013 - 10/2016
- Syngenta fellowship 10/2013 - 10/2016

## Talks

- Meta-interpretive learning normal logic programs, Meeting on meta-interpretive learning, Imperial College London, UK, 2015.
- Predicate invention in meta-interpretive learning, Meeting on abductive and inductive reasoning, Wakayama University, Japan, 2014.

- Can predicate invention in meta-interpretive learning compensate for incomplete background knowledge?, The 24th International Conference on Inductive Logic Programming, Nancy, France, 2014.  
Reviewing
- 2014 Imperial College Computing Student Workshop