Andrew Cropper

a.cropper13@imperial.ac.uk

Department of Computing,
Imperial College London,
180 Queen's Gate,
London, SW7 2AZ

Education

PhD Computer Science, Imperial College London   10/2013 -
Supervisor: Professor Stephen Muggleton
Thesis: Meta-interpretive learning

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 - 7/2009
Graduated with First-class honours
Supervisor: Dr Caroline Langensiepen
Dissertation: Scenes from a book

Experience

Research Intern, National Institute of Informatics, Tokyo, Japan   10/2014 - 1/2015
Supervisor: Professor Katsumi Inoue
Comparing meta-interpretive learning with meta-level abduction

Research Assistant, University of Cambridge   7/2013 - 10/2013
Supervisor: Dr Eiko Yonkei
Investigated distributed asynchronous graph algorithms

Research Engineer, MFG Labs, Paris, France   1/2012 - 6/2013
Company founded by Pierre-Louis Lions (Collège de France and Fields Medal winner) and Jean-Michel Lasry (Université Paris-Dauphine)

Software Engineer, Esendex, Nottingham, UK   1/2010 - 10/2010
Developed tools to monitor and analyse SMS traffic

Software Engineer, Counter Solutions, Derbyshire, UK   6/2007 - 10/2008
Developed tools to monitor and analyse server performance

Publications

Refereed conferences papers

- **A. Cropper** and S. Muggleton. Logical minimisation of metarules in meta-interpretive learning. In *Proceedings of the 24th International Conference on Inductive Logic Programming, 2014*. To appear. *Machine Learning Journal* **best student paper**.

Refereed workshop papers

- **A. Cropper**. Identifying and inferring objects from textual descriptions of scenes from a book. In *Proceedings of the 2014 Imperial College Computing Student Workshop*. To appear.

Short papers

- **A. Cropper** and S. Muggleton. Can predicate invention in meta-interpretive learning compensate for incomplete background knowledge? *24th International Conference on Inductive Logic Programming, 2014.*

Working papers

- S. Muggleton and **A. Cropper**. Derivation reduction of metarules in meta-interpretive learning. To be submitted to *Machine Learning.*

Awards and grants

- *Machine Learning Journal* best student paper, ILP2014
- NII International internship program 370,500 YPN (approx £2200) 10/2014 - 12/2014
- Full BBSRC PhD case studentship (all fees and standard bursary) 10/2013 - 10/2016
- Syngenta fellowship (£7500/year) 10/2013 - 10/2016

Reviewing

Workshops

- 2014 Imperial College Computing Student Workshop

Languages

- English: native
- French: basic