Frederik H. Eaton   Curriculum Vitae

CONTACT
INFORMATION
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EDUCATION
University of Cambridge, Cambridge, UK, 2006–2012

> PhD (January 21, 2012)
>> Supervisor: Zoubin Ghahramani
>> Computational and Biological Learning Lab
>> Department of Engineering

University College London, London, UK, 2005–2006

> MSc Intelligent Systems
>> Supervisor: Zoubin Ghahramani

Caltech, Pasadena, CA, 1998–2002

> BS (honors), Mathematics, and Engineering and Applied Sciences

PUBLICATIONS
F.H. Eaton and Z. Ghahramani "Model reductions for inference: generality of pairwise, binary, and planar factor graphs", Neural Computation. May 2013, Vol. 25, No. 5: 1213–1260

F.H. Eaton (2012) "Combining Approximations for Inference". Thesis. University of Cambridge

F.H. Eaton (2011) "A conditional game for comparing approximations", Proceedings of the Fourteenth International Conference on Artificial Intelligence and Statistics *(oral presentation, with notable paper award)*

F.H. Eaton and Z. Ghahramani (2009) "Choosing a variable to clamp: Approximate inference using Conditioned Belief Propagation", Proceedings of the Twelfth International Conference on Artificial Intelligence and Statistics

F.H. Eaton (2006) "Statically typed linear algebra in Haskell", Proceedings of the 2006 ACM SIGPLAN workshop on Haskell *(oral demonstration)*

HONOURS AND
AWARDS
Notable paper award, AISTATS 2011
Microsoft Research grant: Accelerating Search in Academic Research, 2006
Overseas Research Studentship, University of Cambridge, 2006
Research Bursary, Trinity Hall, University of Cambridge, 2006
Honourable Mention, Putnam Exam, 1999
Brewer Scholarship, Caltech, 1999
Valedictorian, C. K. McClatchy High School, 1997

WORK
EXPERIENCE
Overture Services, Pasadena, CA (Software Engineer) 2003–2004
Fulcrum Microsystems, Calabasas, CA (Software Developer) 2002–2003

PATENTS
F.H. Eaton and P. Beerel (2005) "Optimization of cell subtypes in a hierarchical design flow" #6,854,096