

ELDAN GOLDENBERG

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EDUCATION

Dynamics of Adaptive Behavior Lab, Case Western Reserve University, Cleveland, Ohio

PhD, ongoing

Advisor: Randall Beer

GPA 3.34/4

My research focus is the use of evolved neural network models to explore the necessary and sufficient conditions for the evolution of learning, with implications for learning systems in general, whether biological or artificial. I finished the classroom requirements and passed the qualifying exams in 2005, and am now working full-time on my thesis, which I hope to submit in 2008.

School of Cognitive & Computing Sciences, University of Sussex, Brighton, UK

MSc, Evolutionary and Adaptive Systems, 2002

Graduated with Distinction

Thesis: "Automatic layout of variable-content print data"

School of Cognitive & Computing Sciences, University of Sussex, Brighton, UK

BA(honours), Psychology, 1999

WORK EXPERIENCE

EECS Department, Case Western Reserve University, Cleveland, Ohio

Teaching Assistant, 2003-2005

Led a weekly tutorial for a freshman programming class, for which I wrote and graded homework and in-class exercises. Graded homework and facilitated small group study sessions for 300-level courses in Systems Programming and Intelligent Systems.

HP Labs, Bristol, UK

Research intern, Summer 2002

Developed a proof-of-concept system using evolutionary algorithms for automatically generating complex page layouts, and demonstrated that it was dramatically faster than alternative techniques. HP patented the technique, and it was the subject of my MSc thesis.

Brighton Information Technology Training, Brighton, UK

Freelance IT trainer, 2000-2002

Created and delivered professional development courses in web development, web site administration, and the use of popular HTML authoring software.

PUBLICATIONS

All available online via: <http://research.eldan.co.uk/>

- E. Goldenberg, J. Garcowski & R. D. Beer, 2004: "May We Have Your Attention: Analysis of a Selective Attention Task". In *From Animals to Animats 8: Proceedings of the Eighth International Conference on the Simulation of Adaptive Behavior*; edited by S. Schaal, A. Ijspeert, A. Billard, S. Vijayakumar, J. Hallam & J-A. Meyer
- E. Goldenberg, 2002: *Automatic layout of variable-content print data*. HP Labs Technical Report HPL-2002-286
- E. Goldenberg, 2002: *Why curiosity didn't kill the primate*. University of Sussex Cognitive Science Research Paper 547

PATENT

- P. Layzell, E. Goldenberg, D. T. Cliff, J. W. Lumley: *Page Composition*. UK Patent GB2406254; US Patent US2004177316