

**Frederik H. Eaton**

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## Education

|  |                 |
|--|-----------------|
| PhD in Artificial Intelligence<br>Cambridge University   | 2009 (expected) |
| MSc in Intelligent Systems<br>University College London  | 2006            |
| BS in Math / Engineering & Applied Sciences (Honors)<br>California Institute of Technology. GPA: 3.6/4.0 | 2002            |

## Research and Work Experience

|   |             |
|---|-------------|
| <b>Cambridge University</b> , Cambridge, England (with Professor David MacKay; Research Assistant)  | Summer 2005 |
| • Wrote a prototype two-dimensional continuous-gesture predictive text entry system using space-filling curves.   | 2003 - 2004 |
| <b>Overture Services (subsidiary of Yahoo!)</b> , Pasadena, California (Software Engineer)  | 2002 - 2003 |
| • Worked with paid-listing search infrastructure; implemented and tested spelling correction for three international markets, designed and implemented cluster for building and distributing data files used by web-servers                     |             |
| <b>Fulcrum Microsystems</b> , Calabasas, California (Software Developer)  |             |
| • Reduced chip area and layout cost with original cell subtype optimization algorithm for use in the transistor sizing process (US patent #6,854,096), designed and maintained front and back-end tools to support asynchronous logic synthesis |             |
| <b>Caltech</b> , Pasadena, California   |             |
| • (with Professor Jason Hickey, Summer Undergraduate Research Fellowship)<br>Developed infrastructure for exporting user-space filesystems in Linux   | Summer 2001 |
| • (with Professor Alan Bond, Research Assistant)<br>Research in facial expression parsing   | Summer 2000 |
| • (with Professor John Preskill, Brewer Scholarship Research Tutorial)<br>Explored quantum database search generalizations  | Summer 1999 |

## Awards/Honors

Brewer Scholarship  
Honorable Mention, Putnam Exam

## Language Skills

Japanese