

# BRANDON J. PUNG

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- Education**      **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**      **CAMBRIDGE, MA**  
Candidate for Bachelor of Science degree in Electrical Engineering & Computer Science, June 2010.  
GPA: 4.3/5.0; SAT 1: Math – 800, Verbal – 700; SAT 2 Math: 760
- Skills**
- **Software:** Microsoft: Excel, Word, PowerPoint  
Adobe: Photoshop, Illustrator, Fireworks, Dreamweaver, Flash
  - **Operating Systems:** Linux, Windows XP / Vista, Mac OS X
  - **Programming Languages:** Java, C, Python, Scheme, JavaScript, ActionScript
  - **Additional Working Knowledge:** HTML, CSS, XML, XUL, PHP, MySQL
- Work Experience**
- MOZILLA CORPORATION**      **MOUNTAIN VIEW, CALIFORNIA**  
**Software Intern**      *June 2009 - August 2009*
- Worked with a small team developing Ubiquity, a natural language command-line interface to the web.
    - Wrote extensive code in Javascript for handling asynchronous information retrieval and storage
    - Led weekly meetings, while helping schedule releases and formulate objectives for the future
    - Developed several of the features seen in the current public release of Ubiquity
- EMC RESEARCH CHINA**      **BEIJING, CHINA**  
**Software Intern**      *June 2008 - August 2008*
- Developed a framework for managing hard drive power consumption in virtual machine based environments aimed at conserving energy for web servers.
    - Produced a set of algorithms to be used at the kernel level of operating systems to decide when disk drives should transition between states.
    - Wrote a server simulation in C which demonstrated the potential value of the framework.
    - Co-authored two research papers based on the system I developed
- SCIENCE APPLICATIONS INTERNATIONAL CORPORATION (SAIC)**      **ARLINGTON, VA**  
**Software Intern**      *January 2008*
- Developed a set of pattern detection algorithms in Java used to discover unique network structures.
    - Took the product from design to release over the course of a month.
    - Received outstanding reviews from product managers and department heads within the company.
- MIT USER INTERFACE DESIGN GROUP**      **CAMBRIDGE, MA**  
**Undergraduate Research**      *June 2007 - December 2007*
- Worked on a Firefox web browser extension known as Chickenfoot, which embeds a programming environment in the browser's sidebar so that the user can manipulate web pages and automate web browsing.
    - Made improvements to the extension's development environment and extended its capabilities
    - Worked on a separate extension which displays a grid of headshot pictures within the compose window of an email client corresponding to the people to which the user is sending an email.
- Relevant Coursework**      **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**      **CAMBRIDGE, MA**
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| ■ Structure and Interpretation of Computer Programs                          | ■ Artificial Intelligence           |
| ■ Computer Systems Engineering   | ■ The Human Intelligence Enterprise |
| ■ Computation Structures   | ■ Machine Learning                  |
| ■ User Interface Design and Implementation                                   | ■ Mathematics for Computer Science  |
| ■ Laboratory in Software Engineering   | ■ Probabilistic Systems Analysis    |
| • Won Best Design Award for the internal structure of final software project | ■ Design and Analysis of Algorithms |
- Honors & Leadership**
- MIT IDEAS COMPETITION**      **CAMBRIDGE, MA**  
**Team Wiihabilitation - Entrepreneurship Award**      *May 2008*
- Founding member of Team Wiihabilitation, which won a \$5000 award for developing rehabilitation software for the Nintendo Wii targeted at helping stroke patients in developing nations.
- MIT CHINESE STUDENTS CLUB**      **CAMBRIDGE, MA**  
**Executive – Webmaster**      *December 2006 – April 2009*
- Built the current club website, including an entirely redesigned style, layout, and user interface.
  - Maintained and updated club website with event information and media.
- PHI KAPPA THETA FRATERNITY, MASS ETA CHAPTER**      **BOSTON, MA**  
**IT Assistant Manager**      *June 2007 - Present*
- Resolve issues involving network connectivity and server access throughout the building.
- Interests**
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| ■ Software product development | ■ Technological innovation |
| ■ Artificial Intelligence      | ■ Distance running         |