

# RAY C. HE

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**Objective:** To work in a challenging environment that provides real-world experience in engineering.

## Education

**Massachusetts Institute of Technology**—Cambridge, MA

*August 2003 - Present*

- Candidate for an M.Eng. in Electrical Engineering and Computer Science. Projected Graduation: June 2008. GPA: 5.0/5.0
- S.B. in Electrical Engineering and Computer Science with a minor in Mechanical Engineering. June 2007. GPA: 4.8/5.0

**Hempfield High School**—Landisville, PA

*August 1999 - June 2003*

- Graduated 1st in a class of 497 with a cumulative GPA of 3.96

## Recent Experience

**Aerospace Controls Laboratory**—Cambridge, MA

*January 2007 - Present*

- Working on a object recognition and computer vision system for autonomous helicopters.

**Google**—Mountain View, CA

*June 2007 - August 2007*

- As a platforms engineering intern, developed software and hardware infrastructure with a team “to organize the world’s information and make it universally accessible and useful.”

**Amazon.com**—Seattle, WA

*Summer 2006*

- Developer for instrumentation and content caching. Improved retail website efficiency.

**Laboratory for Information and Decision Systems**—Cambridge, MA

*Fall 2005 - Spring 2006*

- With a team of students, developed a software and hardware system for the control of multiple autonomous helicopters.

**Computer Science and Artificial Intelligence Laboratory**—Cambridge, MA

*Spring 2005 - Summer 2005*

- Designed and built easily expandable robots for autonomous navigation and mapping purposes.

**MIT Center for Reflective Community Practice**—Cambridge, MA

*Summer 2004*

- Customized and maintained an Apache server with PHP and wrote a MySQL server interface to enable geospatial webblogging.

## Skills

**Computer Languages:** C/C++, HTML, Java, L<sup>A</sup>T<sub>E</sub>X, PHP, Perl, Python, Scheme

**Software:** Apache, Emacs, CVS/SVN, Eclipse, Photoshop, Maple, MATLAB, Solidworks

## Activities

Treasurer for the Student Information Processing Board (SIPB) of MIT

Treasurer (2006), Social Chair for Tau Beta Pi

Resume Chair (2006) for Eta Kappa Nu

Zeta Beta Tau fraternity House Manager (2005), Network Administrator

*The Tech*, MIT Student Newspaper

Portrait photography and photojournalism