

3 Ames Street, W210
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Cathy Wu

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Jun 2012

Candidate for Bachelor of Science degree in Electrical Engineering and Computer Science. GPA **4.9/5.0**.

Relevant coursework: Computer Architecture, Operating Systems, Algorithms, Automatic Speech Recognition,
Computer Vision, Signals Systems & Inference, Circuits, Power Electronics, German, Chinese

EXPERIENCE

Dropbox, San Francisco, CA

May–Aug 2011

Intern Software Engineer

Redesigned and rewrote mobile web app for file syncing, sharing, and backup service. Special emphasis placed on user experience, performance, extensibility, and cross-device compatibility.

Facebook, Palo Alto, CA

May–Aug 2010

Intern Software Engineer

Developed and extended distributed job scheduler, through which all of Facebook's jobs would run by 2011. Improved reliability and feasibility of data pipeline goals and helped to scale Facebook's data infrastructure.

MIT CSAIL - Spoken Language Systems Group, Cambridge, MA

Feb–May 2010

Undergraduate Researcher

Integrated traditional speech recognizer with intelligent self-correction, forming a complete self-improving recognizer.

MIT EECS Department, Cambridge, MA

Sep–Dec 2009

Lab Assistant

Staffed introductory digital communication laboratory covering signals & systems, basic computation structures, and networks. Helped students with lab work and course material and facilitated course logistics.

Vertica Systems, Billerica, MA

Jun–Aug 2009

Intern Quality Assurance Engineer

Designed and developed complete internal performance testing platform and reporting system for analytical database company, allowing developers to pinpoint areas of regression and resulting in streamlined development cycles.

INDEPENDENT PROJECTS

Undergraduate Reading Groups in Engineering (URGE)

Feb 2011–Current

Created and piloted a technical reading group program at MIT, enabling students to gain deep exposure in a field of interest and befriend others with similar technical interests in a casual and social yet educational setting.

Mobile Autonomous Systems Laboratory (Maslab)

Jan 2011

Placed first in MIT's annual autonomous robotics competition. Implemented major software components: vision, testing, multi-threading, ball collection and scoring behaviors. Managed the team and made sure things got done.

LEADERSHIP & ACTIVITIES

MIT IEEE/ACM Student Chapter, Cambridge, MA, *Special Projects, Treasurer*

May 2009–Current

MIT Maslab, Cambridge, MA, *Sponsorship Director*

Feb 2011–Current

MIT Medlinks, Cambridge, MA, *Member, CPR/First Aid/AED Certified*

Oct 2008–Current

MIT Discover EECS Program, Cambridge, MA, *Teaching Assistant*

Aug 2008–Aug 2011

MIT East Campus Dormitory, Cambridge, MA, *Hall Chair*

May 2009–May 2010

SKILLS

Foreign Languages: Mandarin Chinese, German

Programming: Python, Java, Matlab, JavaScript, C, HTML, CSS, SQL, \LaTeX , Bash