Theresa I. Yeh

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Education:

Massachusetts Institute of Technology, Cambridge, MA (Cumulative GPA: 4.2/5.0) *9/2009 – 6/2013*

*Candidate for Bachelor of Electrical Engineering and Computer Science and Minor in Management Science*

**Relevant Coursework**

Computation Structures, Data Analysis, Engineering Innovation and Design, Circuits and Electronics, Signal and Systems, Digital Communication Systems, Differential Equations, Physics-Electricity & Magnetism

Work Experience:

ELAN Microelectronics Corporation, Hsinchu, Taiwan, *Testing Intern 6/2011 – 9/2011*

* Programmed microcontrollers using Assembly in detecting how to evaluate capacitance and detecting proper threshold in order process the raw data
* Conducted computer simulations using SPICE with various models of touchscreens to determine proper thresholds are for different weather conditions, different environments, hand sizes, noise levels
* Promoted and demo-ed products at various Taiwan universities and Computex about ELAN’s products

*Product Intern*  *12/2010-2/2011*

* Collaborated with team of engineers to develop a new website against rigid deadlines to showcase developments prior to the CES
* Independently standardized evaluative methods for competitors products
* Identified strengths in ELAN’s products to help direct marketing strategies

*Engineering Intern*  *7/2008 – 9/2008*

* Strengthened and updated English version of company’s website using ASP
* Researched competitors and analyzed possible improvement in ELAN’s technology, providing recommendations to engineers
* Attended and contributed to company meetings with digital and hardware groups discussing the progress and future of ELAN’s touchpad technology
* Partnered with engineer to dissect competitors equipment and analyze components for performance and potential cost savings
* On team of engineers, defined finger gestures for use in capacitive touch screen devices

MIT Electrical Engineering Department, Cambridge, MA, *Team Member* *8/2010 -12/2010*

* Program robots using Python and build circuits for robots to do tasks such as using sensors to follow walls, follow lights, and mapping out rooms

Leadership:

Gordon Engineering Leadership Program *5/2011-Present*

* Direct weekly labs providing frameworks, models, and cases on engineering leadership and design

ACM/IEEE of MIT, Cambridge, MA, *Webmaster 5/2011-Present*

* Create new website using HTML/CSS/PHP and maintain website through weekly updates

**EECS Strategic Planning Task Force,** Cambridge, MA, *Student Advisor 5/2011-Present*

* Collaborates with Department Head to discuss new proposed initiatives and help guide implementation

Asian American Association of MIT, Cambridge, MA , *Director of Community Service*  *5/2010 – 5/2011*

* Coordinated various MIT cultural events such as NightMarket, Grains of Rice show, documentary screenings, and cultural dinners
* Organize group volunteering events for 50 MIT students around Boston community

Additional Skills:

Fluent in Mandarin Chinese; Microsoft Office, Python, Intermediate Proficiency in C, JAVA, Matlab, Assembly, HTML/PHP/CSS, Photoshop

Interests:

Golf, Badminton, Ice-skating, Hiking, Photography, Piano