

Kirsten Lim

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EDUCATION

Massachusetts Institute of Technology (MIT)

June 2015

Bachelors of Science in Mechanical Engineering

GPA: 4.9/5.0

- **Coursework:** Mechanics and Materials, Dynamics and Controls, Thermodynamics, Design and Manufacturing, Robotics, Electronics for Mechanical Systems, Product Design

Cambridge University | Department of Engineering

Jan.-June 2014

- **Coursework:** Finite Element Analysis, Fracture Mechanics, Neuroscience, Operations Management

EXPERIENCE

Apple | *Product Quality Engineer*

July 2015 - Present

- Developed and implemented product quality plan leading to launch of 2016 MacBook
- Coordinated early field analysis post-launch of 2015 27" iMac and 2016 MacBook
- Monitor factory and field performance data to target areas of improvement and drive design change among cross-functional team
- Manage factory disposition and quality experiments when factory issues are discovered

Euro-Pro | *Product Design Intern on Ninja Blender*

June- Aug. 2014

- Diagnosed root causes of defects observed on engineering builds and prototypes of 100+ blenders
- Conducted culinary and lifetime testing on blenders to evaluate quality of blender production
- Improved blender performance by modeling and prototyping new components to reduce leakage

Johnson & Johnson - Ethicon Endo- Surgery | *Engineering Intern*

June - Aug. 2013

- Designed fixture for testing and verification of Hall effect sensors on endoscopic stapling device
- Organized and conducted gauge repeatability & reliability studies on device fixtures
- Investigated effect of tissue characteristics on performance of stapling devices and identified correlations in the data to create a model for estimating tissue characteristics

MIT Ideation Lab | *Undergraduate Researcher*

June 2012 - Dec 2014

- Developed an experiment about prototyping in the design process and conducted 30+ trials
- Published a conference paper in ASME IDETC 2013: "Building Fast to Think Faster: Exploiting Rapid Prototyping to Accelerate Ideation"

MIT Admissions Office | *Blogger* | <http://mitadmissions.org/blogs/author/kblim>

Sept. 2011 - June 2015

LEADERSHIP

MIT Technique Yearbook & Design Club | *Managing Editor, Contributing Ed*

April 2013 - May 2015

- Established and managed 50K budget for the 2014 yearbook production and club operations
- Coordinated communication with MIT community and outside contractors on behalf of Technique

Discover Product Design Freshman Orientation Program | *Mentor, Coordinator*

Aug. 2012 - May 2015

- Planned weeklong program of activities to introduce 24 freshmen to product design
- Scheduled trips to local companies and MIT shops to introduce freshmen to Boston and Cambridge

Class of 2015 Senior Week Committee | *Coordinator*

June 2014 - June 2015

- Managed and organized team of 5 to plan memorable group events for 1,200 graduating seniors

AWARDS

Wunch Foundation Silent Hoist and Crane Award | MIT 2013

BP Women in Research Innovation Award | MIT 2014

For outstanding academic accomplishments in the study of engineering or innovative energy research

SKILLS

Software: Solidworks, NX, Creo, Inventor, MS Suite, MiniTab, MATLAB, Photoshop, Illustrator,

Tools: Lasercutter, Mill, Lathe, 3D printers, digital and film SLRs

ACTIVITIES

MedLinks, Society of Women Engineers (*Marketing & Media Chair*), Alpha Chi Omega (*Fondue Committee*), MIT Art Scholar, Tau Beta Pi, Phi Beta Kappa