

EVELYN TIO

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EDUCATION

Cambridge, MA
June 2014

Massachusetts Institute of Technology

B.S. in Mechanical Engineering; GPA: 4.7/5.0

Relevant Coursework: Product Design, Mechanical Design, Mechanics & Materials, Dynamics & Control, Design for Manufacturing, Thermal-Fluids Engineering, User Interface Design and Implementation, Human Factors Engineering

EXPERIENCE

San Francisco, CA
June 2014-Present

BetterCompany User Research Intern

- Conducted user interviews to define user needs and build personas.
- Defined and tracked key metrics for user acquisition and engagement.
- Communicated insights and findings directly to the CEO and engineering team to drive product iteration.

Cambridge, MA
Sep 2013-June 2014

MIT Device Research Laboratory Student Researcher

- Designed and conducted experiments to fundamentally understand how electrowetting can be used to cause droplets to jump off of superhydrophobic surfaces.
- Analyzed high speed video of jumping droplets using ImageJ to investigate the conversion of potential to kinetic energy during the jump.

Palo Alto, CA
June-Aug 2013

Function Engineering Mechanical Engineering Intern

- Collaborated with senior mechanical engineer in prototyping and performing analysis for various projects ranging from consumer electronics to medical devices.
- Designed fixtures and procedures for prototype testing and delivered results to client.
- Developed standards and demo pieces for laser cutter and FDM printer.

Oak Ridge, TN
June-Aug 2012

Oak Ridge National Laboratory Research Intern

- Researched heat pump cycles and advances in energy efficient cold climate heat pumps.
- Published a report for the AHRI's Low-GWP Alternative Refrigerant Evaluation Program.
- Designed a piping schematic to integrate a work recovering ejector to a heat pump system.

ACTIVITIES

Aug 2011-Feb 2013

MIT Techfair Assistant Marketing Director

- Collaborated with a team of 12 to design and implement a marketing plan for Techfair, the largest student-run technology/career fair featuring innovative demos from large companies (Google, Microsoft, Apple), start-ups, and student exhibitors.
- Spearheaded a project to build big alphabet block letters that spelled Techfair and lit up.

July 2011-2013

Discover Product Design (DPD) Instructor/Mentor

- Mentored 24 freshmen for a one week introductory product design program.
- Guided students through designing a product from ideation to alpha prototype under the theme "Design for Your Dorm."
- Taught introductory classes about plastics and foamcore prototyping.

SKILLS

Mandarin Chinese (fluent)

Adobe Creative Suite, Microsoft Office, Final Cut Pro

SolidWorks, Mastercam, MATLAB, Arduino/mbed, HTML, CSS, Javascript, SQL

Experience with machine shop/wood-working tools (CNC mills, lathes, routers), and rapid prototyping tools (laser cutter, FDM printer, waterjet).

INTERESTS

People + Technology, History, Film