

Emily Obert

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Education	MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT) <i>Candidate for a B.S. in Mechanical Engineering, GPA: 4.7/5.0</i> Relevant Coursework: Design and Manufacturing I/II, Product Design, Toy Product Design, Digital Electronics, Mechanics and Materials I/II, Thermal-Fluids Engineering I/II, Dynamics and Controls I/II	CAMBRIDGE, MA 2011
Work Experience	ELEVEN LLC <i>Mechanical Engineering Intern</i> Brainstormed hundreds of ideas for packaging, a dog leash patent-work-around, and floor cleaning. Prototyped models to be presented to clients for lighting, floor cleaning, and hair care. Solidmodeled lighting and garage door openers for rendering. Sourced parts and added graphics to the solidmodel for manufacturing a camcorder accessory.	BOSTON, MA 2010
	LABORATOIRE D'HYDRODYNAMIQUE, L'ECOLE POLYTECHNIQUE <i>Summer Research Assistant</i> Researched spatial and absolute instability of hot jets with independent velocity and density profiles. Constructed a numerical simulation to explore the effects of small perturbations.	PARIS, FRANCE 2009
	BATTELLE MEMORIAL INSTITUTE <i>Engineering Intern</i> Researched existing and emerging counter-terrorism technologies. Assisted in development of methodology used to choose project focus. Executed terrorism event-modeling software.	ABERDEEN, MD 2008
	GANNETT FLEMING <i>Engineering Intern</i> Attended construction progress meetings and assisted on site visits. Drafted demographic and monthly site reports.	BALTIMORE, MD 2006 and 2007
Leadership	TOY PRODUCT DESIGN MENTOR Coached students through the design process. Facilitated brainstorming, prototyping and evaluation. Gave feedback on ideas and presentations.	<i>Spring 2009 and 2010</i>
	PRESIDENT OF 50 PERSON LIVING GROUP Organized events for upwards of 500 people. Mediated disagreements.	<i>August 2009 to August 2010</i>
	HOPE IN ACTION LEADERSHIP TEAM Recruited over 70 young adults to commit 1% of their time to Area 4 of Cambridge. Used a grass roots organizing model to make collective decisions. Focused on sustainability through community gardens and residential energy efficiency.	<i>January 2010 to September 2010</i>
	COMMITTEE ON ACADEMIC PERFORMANCE	<i>August 2009 to present</i>
	DISCOVER PRODUCT DESIGN MENTOR	<i>August 2010</i>
	DESIGNING FOR PEOPLE MENTOR	<i>January 2010 and 2011</i>
	MIT RESIDENTIAL ASSISTANT	<i>Summer 2010</i>

Skills Proficient: SolidWorks, Photoshop, Dreamweaver, InDesign, Matlab, Keynote, Microsoft Office Suite. French (expert), Secret Security Clearance for the US Department of Defense.

Achievements Term project selected to be presented to class sponsor, Hasbro (Spring 2008). Pi Tau Sigma, National Merit Scholar, Maryland Distinguished Scholar, HS Valedictorian, MIT Varsity Volleyball Coach's Award.