

---

<b>EDUCATION</b>	<b>Massachusetts Institute of Technology, Cambridge, MA</b> <i>Bachelor of Science in Mechanical Engineering</i> <ul style="list-style-type: none"><li>• Relevant Coursework: Product Design and Development, Design and Manufacturing II, Product Engineering Processes, D-Lab: Development, D-Lab: Design, Toy Product Development, Mechanics and Materials II, Dynamics and Controls II, Thermal-Fluids Engineering II, Listening to the Consumer, Marketing.</li><li>• Cumulative GPA: 4.3/5.0</li></ul>	<i>September 2005 – June 2009</i>
<b>EXPERIENCE</b>	<b>Innovations for Poverty Action – Busia, Kenya</b> <i>Engineering/Design Consultant – Rural Water Project</i> <ul style="list-style-type: none"><li>• Finalizing design of point-of-collection chlorine dispenser for scale-up efforts. Continuing work started in MIT class D-Lab: Design, when dispenser was redesigned to decrease cost of system from \$100 to \$30.</li><li>• Creating prototypes, designing experiments, conducting field research and talking to users. Utilizing feedback and results to improve dispenser design for increased robustness and simple user interface.</li></ul>	<i>October 2009 – present</i>
	<b>Aquaport – Cambridge, MA</b> <ul style="list-style-type: none"><li>• Designing, prototyping and testing modular water transport system for use in rural areas in Africa.</li><li>• Created for MIT graduate class Product Design and Development on a team of MIT, Sloan and RISD students.</li><li>• Winner of 2009 MIT IDEAS Competition Award. Traveling to Africa in early 2010 for testing.</li></ul>	<i>February 2009 – present</i>
	<b>D-Lab: Development – Tanzania, Africa</b> <ul style="list-style-type: none"><li>• Spent three weeks in Tanzania with MIT team, working with community partners in Arusha, Moshi and Karatu.</li><li>• Worked with Appropriate Technology group at local vocational school to produce first field prototype of Full Belly Project water pump, perform testing, and recommend future design changes. Returning Fall 2009.</li></ul>	<i>January 2009</i>
	<b>Product Engineering Processes – MIT Mechanical Engineering Department</b> <i>System Lead - User Interface Team</i> <ul style="list-style-type: none"><li>• Designed and developed alpha prototype of “thermoSmart,” a novel home heating product, on team of 17 Mechanical Engineering seniors.</li><li>• Designed version 1.0 and 2.0 3D-printed enclosures for three components of varying sizes and functions.</li><li>• Designed and produced thermoSmart packaging boxes and instruction manual using Adobe software.</li></ul>	<i>September 2008 – December 2008</i>
	<b>Undergraduate Research Opportunities Program – MIT Media Lab</b> <i>Biomechatronics Group – Mechanical Design Researcher</i> <ul style="list-style-type: none"><li>• Designed, built, tested, and improved walking and running leg and foot prosthetic devices for amputees.</li><li>• Designed new artificial gastrocnemius prosthesis: used SolidWorks, machined assembly with CNC mill.</li></ul>	<i>May 2008 – December 2008</i>
	<b>Toy Product Development – MIT Public Service Design Seminar</b> <i>Design Team Member; Mentor</i>	<i>Spring 2006, 2007, 2008, 2009</i>
<b>SKILLS</b>	<b>Computer:</b> SolidWorks, Matlab, Mastercam, MathCAD, OMAX Layout. Mac OSX, Windows. Adobe Illustrator, Photoshop, InDesign. <b>Machining:</b> CNC Mill, Waterjet, Laser Cutter, Lathe, Thermoform Machine, Injection Molding Machine. <b>Languages:</b> Beginner French, Beginner Spanish, Beginner Swahili.	
<b>ACTIVITIES/ LEADERSHIP</b>	<b>Baker House Dormitory – MIT, Cambridge, MA</b> <i>Senior Rooming Chair; Desk Captain</i>	<i>November 2006 – August 2009</i>
	<b>Women’s Initiative – MIT, Cambridge, MA; Miami, FL; Hawaii</b> <i>Director - Presenter Recruitment &amp; Training; Presenter</i>	<i>October 2006 – May 2009</i>
	<b>WMBR – Cambridge, MA</b> <i>Radio DJ – Breakfast of Champions; WMBR Live! Concert Series Band Contact Person</i>	<i>September 2006 – September 2009</i>
	<b>SaveTFP – MIT, Cambridge, MA</b> <i>President; Event Planner; Committee Representative</i>	<i>April 2006 – May 2009</i>
<b>INTERESTS</b>	International development, travel, music, concerts, reading, cooking & baking, jewelry making, interior decorating.	