

Ray Young

www.ray-young.com

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Education

Franklin W. Olin College of Engineering -B.S. in Mechanical Engineering; Entrepreneurship Concentration	Needham, MA
• Four year full-tuition merit scholarship recipient	2004 - 2008
Massachusetts Institute of Technology -Enrolled as freshman; Courses in Math, Science, Women's Studies	Cambridge, MA
	2003 - 2004
Stockholm Royal Institute of Technology -Study away semester; Courses in Business and Swedish Culture	Stockholm, SE
	Fall 2006

Experience

Boston Device Development	Allston, MA
Product Manager	11/2010 - Present
Responsible for increasing revenue and maximizing profits of dog products subsidiary, RascoDog.com	

Mechanical Engineer (contract)	Charlestown, MA
Applied creative problem solving and engineering fundamentals to achieve full client satisfaction	1/2010 - 4/2010
• Designed parts for injection molding, CNC machining, sheet metal forming and rapid prototyping	
• Created and maintained supporting documentation including detailed drawings and bill of materials	
• Researched and selected local manufacturers and sourced necessary product components	
• Conducted brief analytical studies and engineering analysis of parts and materials	

Hasbro, Inc.	Pawtucket, RI
Associate Project Engineer (contract)	4/2010 - 11/2010
Managed technical development of 15 product SKUs (100+ toys) across three different major toy brands	
• Responsible for ensuring achievement of development schedule milestones and target cost	
• Communicated daily with far east manufacturing to ensure compliance with global marketing vision	
• Supported product designers by acting as primary technical resource and manufacturing liaison	
• Established and maintained vendor relationships for products requiring U.S. manufacture	

Creative Technology Industries	Foxboro, MA
SolidWorks Designer (contract)	12/2009
Executed product design packages for international manufacture and client review	
• Developed 3d CAD models and detailed part and assembly drawings of existing product designs	

Internships/Research

Proteus Design -Product Development Intern	Cambridge, MA
• Developed consumer product solutions to meet client needs using Pro/Engineer and SolidWorks	8/2009 - 12/2009
Boston Scientific (Sponsor: Senior Year Capstone Project) -Project Manager	Needham, MA
• Co-managed five person team with \$15,000 budget to deliver working conceptual prototype	9/2007 - 5/2008
LFI, Inc -Continuous Improvement Intern (part-time)	Smithfield, RI
• Independently devised quantitative method for quality inspection using acoustic signal analysis	7/2007 - 8/2008
NASA (Sponsor: Summer Research Program) -Finite Element Analyst	Needham, MA
• Analyzed effect of supercooling from 300K to $\approx 50\mu\text{K}$ on one pixel of an x-ray sensor array	Summer 2006
Otis Elevator Company -Mechanical Engineering Intern	Farmington, CT
• Created 3d CAD designs using Pro/Engineer and conducted component reliability testing	Summer 2004

Skills

Massachusetts Certified Professional Engineer in Training (EIT)

<i>Engineering</i>	Mechanical Design • Design for Manufacture • Prototype Development • Optimization • Data Analysis
<i>Machine Shop</i>	FDM and SLA 3D Printing • Injection Molding • Laser Cutting • Lathe • Mill • Sheet Metal Bender
<i>CAD Design</i>	Top-down/Parametric Approach • Surface Modeling • Configurations • Detailed Parts and Assemblies
<i>Software</i>	SolidWorks • Pro/Engineer • MATLAB • COMSOL Multiphysics • Visual Nastran 4D • Adobe Creative Suite