

LAUREN MILROY

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(213) 361-0509

EDUCATION

Stanford University
MS Product Design June 2009

University of Southern California
BS Mechanical Engineering May 2004

SKILLS

Prototyping/Model-making; Human Factors; PRO/E Wildfire; SolidWorks; Microsoft Word, Excel, and PowerPoint; Keynote; Adobe Dreamweaver, Photoshop, Illustrator, and InDesign; Team Management and Leadership

WORK EXPERIENCE

Lowercase Collective, San Francisco, CA Summer 2008
A design consulting firm that specializes in soft goods.

Designer

- Created specification drawings for existing products in order to improve communications with factories in Asia
- Provided color cads for new bag designs
- Designed a unique bike handlebar bag that converts into a hip fanny pack
 - Completed competitive analysis for existing bike handlebar bags
 - Identified and observed target users
 - Brainstormed and sketched initial concepts
 - Prototyped final product
- Prototyped and wrote a provisional patent for a multi-credit card restaurant bill folder
- Completed the design and created specification drawings for a family of outdoor duffle bags

Raytheon Company, El Segundo, CA June 2004 – May 2007
An industry leader in defense and government electronics, space, information technology, technical services, and business aviation and special mission aircraft

Mechanical Engineer II

- Lead mechanical for electronics unit throughout manufacturing phase of program
- Responsible for the mechanical design of 3 unique circuit card assemblies in an electronics unit
 - Developed the design from concept through preliminary to final design
 - Determination, verification, and implementation of all mechanical requirements

- Facilitated the layout and route of the printed wiring boards
- Determination of appropriate materials and manufacturing processes to be used in the design
- Prepared and presented multiple design reviews
- Support for manufacturing, review planning, and procurement lists
- Designed several tooling assemblies to solve manufacturing dilemmas
- Completed variety of training courses, including: Stress for Design Engineers, Geometric Dimensioning, and Tolerancing
- Completed 6sigma certification — a method to eliminate process variations that cause defects
- Developed key skills in communicating with people from various disciplines (e.g. manufacturing, operations, stress and thermal analysts), as well as outside vendors

ACTIVITIES

Coordinator - David H. Liu Memorial Lecture Series in Design

Manager - Hermosa Beach Soccer Club Women's Team

President and Fundraising Chair - USC Women's Club Soccer

INTERESTS

Soccer, Snowboarding, Running, Reading, and Travel

References available upon request