

# Sharon Marzouk

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- Objective** To use my diverse experiences and abilities to contribute in an organization where these insights can be efficiently translated to real world and business impact.
- Skills** Strong abilities in empathy, intuition, logic, creativity, with a mechanical engineering background. Self motivated and skilled in managing projects and motivating people.
- CATIA, Pro/ENGINEER, Inventor, Photoshop, Lightroom, Illustrator, Sony Vegas Pro, Compress, Matlab, Front Page, Excel, Access, PowerPoint and Word
- Industry**
- Director of Education, **Wizbots llc*** | March 2010 – Present | San Carlos, CA
- Collaborated with interdisciplinary team with Phd, MBA, IT, teachers, students
  - Developed game that generates creative projects and promotes lateral thinking
  - Teaching kids to be experimental, collaborate and design through robotics
  - Deeply engaged with kids in classroom to overcome their personal obstacles
  - Spearheaded the recruitment, interviewing, hiring, training and coordination of a 10+ person team of teachers
  - Developed business strategy, offerings, direction as part of core startup team
  - Created curriculum for students and plans for progression through program through insights gained from the classroom, kids, parents and teaching team
- Entrepreneur* | August 2008 – Present | Palo Alto, CA
- Investigated ways to start up a company
  - Wrote a business plan after researching market and technical space
  - Researched patenting process and conducted patent search
  - Designed logo, created brand and incorporated
  - Expanded network of CEO entrepreneurs
  - Presented to companies and VCs for funding for pico projector start up
- Photographer and Videographer, **Juci Media*** | August 2008 – Present | Palo Alto, CA
- Capturing spontaneous moments and emotion in digital media
  - Deeply engage with clients to feel the upmost comfort in front of the camera
  - Communicating with clients to achieve their desired results
  - Leading teams in capturing large events and managing projects
- Youth Group Advisor, **BBYO & Temple Emanu-El*** | August 2007 – June 2010
- Advised youth in grades 4-12 and promoted positive leadership experience
- Mechanical Engineer, **Air Products*** | July 2007 – August 2008 | Allentown, PA
- Calculated ASME codes, Compress modeling and followed company specifications and standards
  - Reviewed drawing for pressure vessel and heat exchangers
  - Project Engineer for the refurbishment of industrial cryogenic freezers
  - Designed and implemented Mixer Tables to create a more intergrated collaborative environment at work
- Engineering Co-Op, **Toyota Motor Manufacturing*** | August 2005 –2006 | Princeton, IN
- Transformed handwritten manual process into a modern electronic system that increased efficiency of stamping department, reduced costly mistakes, and improved record keeping for quality
  - Evaluated process, interviewed and observed team members, developed solution, implemented system, and trained team members
  - Launched electronic system with barcode reader, visual displays, calculations, and automatic work load analysis

- Gained insight by engaging with team members and experiencing processes, then designed ergonomic new hand tool for team members for stoning parts

*Engineering Intern, Elkhart County Highways* | May – August 2005 | Goshen, IN

- Led group by developing organized method, to perform Elkhart County's 300 road counts in 7 weeks, and executed project successfully
- Redesigned website and assisted engineers in bridge concrete pour

## Selected Projects

### ***College- Technical***

***Senior Design Project-*** Led team to brainstorm, research, design, and manufacture an innovative and intuitive fun lean steering personal transportation device to have riders “so low” to the ground to feel they are moving fast. The So-Lo CruizR is structurally supported by a car differential to allow users a full experience of digging into the turns.

### ***Toyota Co-Op- Technical***

***Ergonomic Project-*** Improved ergonomic condition for workers on press. Reduced stresses on hand with more ergonomic tool design.

***Process Mapping-*** Changed process from a painstakingly handwritten and manual process to an electronic database that takes less time to input data, organizes information, and error proofs process. Designed and implemented database at facility.

### ***Air Products Company-wide Project***

***The Mixer Table-*** Project at work to create a friendlier, more integrated atmosphere. Led team to organize company-wide event in order to collaboratively paint tables. Currently implemented at the Air Products headquarters, and globally.

## Activities and Awards

***Stanford's d.school K-12 Program*** | September 2009 –Present | Palo Alto, CA  
Volunteer in Stanford's design school, helping to bring design thinking to children.

***Silly and Sweet Award*** | Stanford Innovation Tournament | 2009 | Palo Alto, CA  
Winning entry in Global Tournament. Won meeting with entrepreneur Guy Kawasaki.

***Top 50 in The Perfect Pitch 2009*** | October 2009 | Venice, CA  
Pitch for Juci Inc. made Top 50 out of over 1000 entries.

***Creativity Award*** | Stanford Innovation Tournament | 2008 | Palo Alto, CA  
Winning entry in Global Tournament out of over 100. Won Venture Summit tickets.

***Technology Leadership Award*** | Air Products | July 2008 | Allentown, PA  
Award from CTO for taking ownership, accomplishing project, and breaking barriers.

***Top Ten Diversity Award, Air Products*** | June 2008 | Allentown, PA  
Award from employees for company-wide 'Mixer Tables' project.

***Engineering Explorers Volunteer*** | September 2007 – 2008 | Allentown, PA  
Taught teenage students by way of different hands-on engineering projects.

## Education

**Purdue University | BS Mechanical Engineering 2007**

### ***Continued Learning:***

Toyota Production System I & II & Real World, Continuous Improvement Introduction, Continuous Improvement Process Mapping, Startups: From Idea to IPO, Entrepreneurial Thought Leaders Seminar, Introduction to Open Innovation, Innovation and Creativity, Myers-Briggs Introduction, Problem Solving