



# Taylor Engineering

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## **RUPAM SINGLA**

Rupam Singla has been a Mechanical Designer at Taylor Engineering since 2008. Ms. Singla received an M.S. in Mechanical Engineering from the University of California, Berkeley and a B.S. in Mechanical Engineering from The Ohio State University. While in graduate school Ms. Singla volunteered as an engineer in a village in Nicaragua where she worked with other engineers and a local women's organization to improve the design of locally built and used solar ovens. She also served as a teaching assistant for an introductory MATLAB course as well as an undergraduate mechanics of materials course while in graduate school. Ms. Singla is passionate about sustainable design and the impact good design can have on an individual and on society.



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## **RUPAM SINGLA**

### **Education**

2008 University of California, Berkeley, M.S. Mechanical Engineering  
2005 Ohio State University, B.S. Mechanical Engineering

### **Experience**

2008 – Present Taylor Engineering, Alameda, CA  
Mechanical Designer.

2007 – 2008 University of California, Berkeley, Berkeley, CA  
Graduate Student Researcher. Led team to design, prototype, and test a suit to protect migrant farm workers and their families against pesticide exposure.

2007 Engineers for a Sustainable World, Sabana Grande, Nicaragua  
Volunteer Engineer. Collaborated with locals and other engineers to conduct user research, brainstorm, design, build, and test design improvements for locally built and used solar ovens.

2003 – 2006 Procter & Gamble, Cincinnati, OH  
Summer Process Engineering Intern. Led various projects to improve productivity in manufacturing facilities.

### **Teaching Experience**

“Introduction to Computer Programming for Scientists and Engineers” and “Mechanical Behavior of Engineering Materials,” teaching assistant, Department of Mechanical Engineering, University of California, Berkeley, CA, 2006 – 2007. Prepared course materials and taught lab and discussion sections.