

SHRUTI BAJAJ

1550 Vista Club Circle, #102 • Santa Clara, CA 95054
shrutibajaj@hotmail.com • 415-846-9156

EDUCATION

6/04-6/05

Stanford University, School of Education, Stanford, CA

Master of Arts degree in Learning, Design & Technology

- Areas of interest: instructional design, curriculum construction, learning assessment, qualitative research, user-centered design
- Masters Project: Diabetes Self-Management Tool, a handheld device that allows patients to self-manage their condition. Used knowledge of adult learning theories, content development, and qualitative evaluation.

6/96-8/98

University of California at San Diego, La Jolla, CA

Master of Science degree in Bioengineering

9/92-6/96

California Institute of Technology, Pasadena, CA

Bachelor of Science degree in Mechanical Engineering

RELEVANT EXPERIENCE

9/04-6/05

SUMMIT, Stanford CA

Multimedia Design Intern

- Developed multimedia Flash tool to educate 8th grade students about nutrition and healthy weight. Collaborated with physician for content and Flash developer for implementation.
- Involved in entire design process: brainstorming, paper prototyping, storyboarding in Illustrator, prototyping in Flash, user studies.

2/99-3/04

GUIDANT CORPORATION

Guide Wire Designer, Temecula, CA (2/99-6/01)

- Served as leader of 6-person team to research, design, test, and develop an enhanced frontline guide wire
 - Created and managed project schedule, tracked deliverables
 - Used 3-D modeling software to brainstorm and share design solutions
 - Collaborated with physicians, marketing, pre-clinical team, and material/equipment vendors to refine prototype
 - Held weekly meetings, presented monthly updates to management
- Designed, built, qualified and validated fixture to measure torque output of wires
- Supervised technician for one year, planned monthly team building events

Technical Trainer, Asia (8/01-9/01)

- Incorporated guide wire technology and competitive intelligence into sales training
- Trained sales forces in India and Asia. Held meetings with 40+ physicians

Project Coordinator, Santa Clara, CA (9/01-3/03)

- Created and managed project development timelines
- Interacted with clients across all business units and organizational levels
- Trained new customers on ProChain software and implementation: designed and conducted monthly training sessions customized to small and large groups

R&D Engineer, Santa Clara, CA (3/03-3/04)

- Designed a drug screening incubation chamber in SolidWorks
- Designed and held porcine animal studies to test drug-eluting stent prototypes

- 7/01 **MOUNT KAROL SCHOOL**, Solan, India
 K-5th Grade Instructor
- Taught arts, crafts, English, and Math in a village in rural India
- 3/97-10/98 **QUANTITATIVE MICROSCOPY LAB**, La Jolla, CA
 Research Assistant, Master's Thesis
- Developed method to detect fetal red blood cells in maternal blood using automated scanning cytometry
 - Created novel method of isolating fetal cells, staining with fluorescent antibody, seeding into adult cells, and depositing on slide
- SKILLS**
- Design:** sketching, storyboarding, rapid prototyping, digital video & audio editing
Research: qualitative, ethnography, design of experiments
Software: Adobe Illustrator, Adobe Photoshop, Adobe Acrobat, Macromedia Flash, Macromedia Dreamweaver, SolidWorks, ProChain, MS Office
Programming: basic knowledge of HTML and Visual Basic
Language: Hindi
- COMMUNITY SERVICE**
- Boys and Girls Clubhouse, San Francisco: taught manual photography to group of 10 kids
Mission College Alliance, Santa Clara: connected high school girls with female engineers
- PAPERS**
- S Bajaj, JB Welsh, RC Leif, JH Price, "Ultra-rare-event detection performance of a custom scanning cytometer on a model preparation of fetal nRBCs". Cytometry 2000; 39(4): 285-294.