

EDUCATION

University of California: Berkeley

M.S. in Mechanical Engineering: Concentration in Product Design *May 2009*

Graduate GPA: 3.76; Management of Technology certified

Patent filed for Orthotic Knee Kick-Back Joint

B.S. in Mechanical Engineering *May 2008*

Undergraduate GPA: 3.55; Berkeley Innovation Design Lead

GRE Examination Results: 780/800 Math, 720/800 Verbal, 4.5/6 Writing

EXPERIENCE

Society Creative Product Design Firm

May 2008 – Aug. 2008

Freelance Industrial Designer

- o Worked for clientele including Sony, Johnson & Johnson, and Sezmi
- o Ideated, modeled, and rendered product solutions
- o Designs articulated to facilitate manufacturing; Conducted FEM stress analysis

UC Berkeley Vehicles Dynamics Lab

May 2007 – Aug. 2007

Undergraduate Research Assistant

- o Developed GUI for directing unmanned air vehicles through Google Maps resources
- o Maintained and optimized hardware of unmanned air vehicles

Raytheon

May 2006 – Aug. 2006

Quality Engineer Intern

- o Performed full process internal audits of engineering design and maintenance practices
- o Conducted research for lead-free solder initiative

SELECTED WORK

FULL PORTFOLIO AVAILABLE AT WWW.KIDRISING.COM

Gyroboard - Mechatronic Design Course Project

Sept. 2007 – Dec. 2007

In six member engineering team, developed self-balancing one-wheel skateboard using PID controller; Recognized by National Instruments as outstanding project

CarpeSol - Sustainable Design Course Project

Sept. 2008 – Dec. 2008

In six member interdisciplinary team, worked with Real Goods Solar to develop innovative solar installation tools; Delivered "solar in a box" starter kit prototype

SKILLSET

Drafting and Rendering: SolidWorks, Pro/E, AutoCAD, Autodesk Viz, Photoshop CS3, Flash

Programming: Java, C++/C, XML, MATLAB, Simulink, LabVIEW, Adobe ActionScript & Flex

Design Conception: FEM stress and thermal analysis, Manufacturing process knowledge, Machine shop training, Rapid lo-fi prototyping, Conducting ethnography

ADDITIONAL

Leadership

Vice President of UC Berkeley Mechanical Engineering Honor Society *Jan. 2007 – Dec. 2007*

President of Student Government for Dulaney High School *Jan. 2003 – Jan. 2004*

Hobbies: Avid photojournalist, dancer, graphical designer and tutor

Philosophy: Persistent learning is the running vein of good design