
Education

M. Sc., Mechanical Engineering, **KTH (Royal Institute of Technology) Stockholm, Sweden 2003-2004**
Specialization in Sustainable Energy Engineering
B. Sc., Industrial Design, Spec. in Design and Technology **North Carolina State University 1991-1997**

Experience

Palo Alto Hardware Solar Division, Palo Alto CA [paloaltohardware.com] **October 2002 – August 2003**
Solar Consultant
Consultations, sales, and maintenance. Evaluating residential and commercial buildings for photovoltaic system installations. Analyzing system electrical problems and maintenance of grid-tied inverters.

Macroscopic Laboratories, Brooklyn, NY [macroscopic.org] **June 2001 – Present**
Founder / Design Engineer
Community focused research laboratory/design studio specializing in energy efficiency and sustainable design. Services include industrial design and interactive design. Recent projects include software design for turbomachinery calculation tool in Switzerland and web design for a wind energy consultancy in Germany.

frogdesign [frogdesign.com] **May 2000 – June 2001**
Designer / Information Architect
Met with clients and led project teams from start to finish of integrated design projects. Also maintained and supported our Alias Studio 3D Workstations. Clients included: Panasonic, FYE, PTC Technologies, Lechters, Blaze Software, Designed interaction system for 3D web application “2CE”
Winner of ID Magazine Interactive Design Award 2001 [2ce.com]

Organic Inc. [organic.com] **April 1999 – May 2000**
Information Architect
Responsible for user experience, site structure, navigation. Led project teams in creative aspects of site development from ideation to completion. Created Schematics, Site maps, product taxonomies, interactivity guidelines, etc... Clients included: Sting, Compaq, Awards.com, Tommy Hilfiger, Dunhams Sports, Chase Bank

Industrial Light & Magic [ilm.com] **Summer 1996**
Intern
Developed Java applets and documentation for internal software. Worked in the “Saber” video compositing group.

Teaching, Lectures and Projects

Stockholm University Radio **Fall - Winter 2004**
“Think Globally” bi-weekly radio show co-host

KTH, Royal Institute of Technology, Department of Heat and Power Technology **May 2004**
“Intro to Photovoltaics and Solar Energy” Seminar – Planner and Presenter

Peninsula Conservation Center of Palo Alto **June 2003**
Solar Energy Workshop – Invited Speaker

Hunter College X-ray Spectroscopy Solid State Physics Lab **May 2002**
Assisted X-ray Absorption experiments to study the defect structure of thin film photovoltaics

Hunter College of the City University of New York **February 2002**
“Incorporating Sustainable Materials into the Design Process” - Invited Talk

School of Design Media Lab, North Carolina State University **Fall 1996**
Assistant Teacher: Instructed students and faculty on Video Editing and Interactive Design

Massachusetts Institute of Technology **Summer 1995**
Center for Educational Computing Initiatives - Seminar on Interaction Design - Invited Speaker

Stanford Solar Car Project, Stanford University - Part-Time Volunteer
Peninsula BioDiesel Group - Member

Fluent in English and Spanish

References Available Upon Request
