

### Objective

To combine graphic design, industrial design, mechanical engineering, electrical engineering, and storytelling to create memorable experiences.

### Education

Royal College of Art, Master of Arts: Innovation Design Engineering, 2008–2010  
Imperial College London, Master of Science: Innovation Design Engineering, 2008–2010

University of Arizona, Bachelor of Fine Arts: Visual Communication (Cum Laude and Honors), minor: Mathematics, 2000–2005

### Work

Factum Arte 2012.02–2012.12

Engineering work and design for various in-house industrial design projects, including working on a custom designed 3D laser scanner.

Freelance Industrial design, graphic design, and innovation consultation, 2010.07–Present  
Clients include Unilever, Innovation Design Engineering, My Preserver, Lambda Ltd., Ludic Group

Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA), 2005.09–2008.08  
Graphic designer and illustrator. I worked with scientists, programmers and editors to produce hydrology-related web sites and publication materials for both scientific and public audiences. I improved workflows for our bimonthly publication, redrew scientific illustrations, and generated graphics, code, and scripts for web sites.

### Clients

They Might Be Giants: downloadable album art

Musical Instrument Museum: service and documentation on an RCA Theremin in collection

Ford: design concepts and research

Unilever: brainstorming and concepts

SEED Foundation: graphic design, brainstorming and concepts

Aids Project Los Angeles: graphic design, illustrations

Intercultural Center for the Study of Deserts and Oceans (CEDO): layout, illustration, design

### Awards

Commendation, Deutsche Bank Awards, 2010

University of Arizona Medici Scholarship, 2004

University of Arizona School of Art Scholarship Awards:  
Edward Dumm, 2004, Haldeman Scholarship, 2004

Society of Illustrators National Student Scholarship: Dick Blick Art Materials Award, 2003

### Exhibitions

Royal College of Art Show Two, 2010. *Track 01*: solo project

Royal College of Art Interim Show, 2010. *mywater*: group project

SIGGRAPH 2007. *NaturArte*: art direction, graphic design

The University of Arizona Summer Reading Program: Lionel Rombach Gallery, 2004

Society of Illustrators National Student Scholarship Exhibition:  
New York SI gallery 2003, ICON 2003

### Events

Visiting artist and guest speaker at the University of Arizona: 2011.03, 2013.01

### Publications

2010 | 30: *Innovation Design Engineering*, 2010, ISBN: 0956136411: selection of work

*Ecology and Conservation of the San Pedro River*, 2009, ISBN: 0816527520: Illustrations

*Respiratory Function in Singing*, 2007, ISBN: 0976351315: Illustrations

*Evaluation and Management of Speech Breathing Disorders*, 2004, ISBN: 0976351307: Illustrations

*Illustrators 45*, 2003, ISBN: 0060585709: Illustration

### Skills

**OS and Software:** Mac OS, Windows, SolidWorks, Rhino, Grasshopper, hyperShot, Illustrator, InDesign, Photoshop, Acrobat, Flash, DVD Studio Pro, Final Cut Pro, FontLab, Maya, Digital Performer, Max/MSP, Arduino, Processing. **Languages and protocols:** XHTML, CSS, XML, PHP, Perl, FTP, SSH. **Making and building:** metal and wood fabrication, turning, machining, welding, soldering, sculpting, drawing, painting, printmaking, lasercutting, rapid prototyping, CNC preparation, DSLR photography and video, scanning, Wacom tablets. **Intangible:** brainstorming, nonlinear thinking, empathy, role playing, abstraction, linking, creative thinking

### Interests

making lists, **music:** recording, songwriting, playing guitar, bass, accordion, synths, mandolin, and theremin, rhythm programming, attending concerts, concert photography, **cooking:** local and whole foods, 100-mile diet, farmers markets, home brewing beer, **traveling:** visited 23 countries on 3 continents, backpacking, cycling, **sustainability:** sustainable living, biomimicry, cradle to cradle, low footprint construction, local materials, **art:** sequential art, story telling, character development, mood, visualizing quantitative information, science and art, math and art

I have seen 35 out of the 37 known and disputed Johannes Vermeer paintings.

I run the leading vintage theremin educational site *RCATheremin.com* with my colleague Andrew Baron.

### References upon request