

## Education

2005- 2010  
Needham, MA

### **Franklin W. Olin College of Engineering**

Bachelor of Science in Engineering with Product Design Concentration

GPA: 3.80/4.0; Recipient of full-tuition merit scholarship

2009-2010  
Needham, MA

### **The Mathworks Electronics Project**, Senior Capstone Program in Engineering

Developing electronics platform to interface with MATLAB and Simulink for use in academic settings

2001- 2005  
Mercedes, TX

### **The Science Academy of South Texas**

Distinguished High School Diploma; Rank 5 of 95

## Experience

2007 - Present  
Somerville, MA

### **Co-founder and Designer/Engineer** Luminaire Coffee Equipment

Luminaire provides technical consulting for coffee equipment manufacturers ([luminairecoffee.com](http://luminairecoffee.com))

Designing and developing mobile and web applications which interact with coffee equipment

Architecting and writing firmware for commercial espresso equipment

2012 - Present  
Arlington, MA

### **Designer/Engineer** Involution Studios

Invo designs and develops beautiful software for clients

Leading 3mo - 1yr long software design projects with clients such as Walgreens, DataXu, and 3M.

Designing workflows to address the complex needs of enterprise users in the healthcare and marketing spaces

Prototyping key workflows to help communicate and refine design decisions.

Speaking at national and international conferences on software design best practices.

2010 - 2012  
N. Andover, MA

### **Research Systems Engineer**, Parietal Systems, Inc. (PSI)

Parietal Systems is a Research and Development consultant that focuses on building software systems

Managing the design and development of software systems to achieve customer goals

Identifying potential markets and product concepts based on technologies developed by PSI

Designing and improving the company's product development process

Fall 2009  
Waltham, MA

### **New Product Development Intern**, Preserve

Preserve is a sustainability leader in the consumer goods industry. ([preserveproducts.com](http://preserveproducts.com))

Performing environmental assessments and research in support of the Product Development team

Documenting product evolution and launch for future marketing materials and case studies

Summer 2006- 2008  
San Marcos, TX

### **Instructor and Head Counselor** Texas Mathworks

Texas Mathworks is a center for innovation in mathematics education. ([mathworks.txstate.edu](http://mathworks.txstate.edu))

Developed curriculum in advanced mathematics for middle school and high school students

Taught courses which introduced new concepts and reinforced existing lessons

Implemented a six week program for 60 campers and 15 counselors as Head Counselor

## Skills

Design: User Studies, Interface Design, Interaction Design, Ideation, Systems Design, Product Design

Engineering: Life Cycle Assessment, Modeling, CAD, Programming, Mechanical and Electrical Prototyping

Software: HTML, Javascript (jQuery, nodejs, Backbone), CSS/SCSS, Objective C, Java, Python, Ruby

Entrepreneurship: Market Research, Business Plans, Financial Modeling, Marketing