

# ANDREW TRENTON

andrewtrenton.com

andrew@andrewtrenton.com

+1.816.352.5575

## FOCUS

Andrew is a Denver-based Industrial Designer who uses empathy and research methodologies to create better solutions. He offers tangible solutions to complex systems. His observing and working experiences have given him the skills needed to create logical designs, with consideration for manufacture and usability. Interested in the heavy industries, technical and specialized, Andrew enjoys field research. He uses insights to better approach existing and new product creation. Outside of the studio, you can find him enjoying life out on the bike trails.

## METHODS

- + Behavioral Mapping
- + Cultural Probes
- + Contextual Inquiry
- + Design Thinking
- + Diagramming
- + Empathy
- + Ethnography
- + Fielding Surveys
- + Interviewing
- + Market Research
- + Proof of Concept
- + Qual. and Quant.
- + Sociology Coding
- + UX User-Testing
- + Workshops

## SKILLS

- + Concept Development
- + Design for Manufacture
- + Design Engineering
- + Human Factors
- + Ideation & Sketching
- + Rapid Prototyping
- + Systems Thinking
- + Laser Cutting
- + Led Lighting
- + Metal & Wood Work
- + Model Making
- + Softgoods Sewing
- + UI Wire-framing
- + User-Experience
- + Visualizations

## SOFTWARE

- + Axure RP
- + Adobe CC
- + Figma
- + Fusion 360
- + Keyshot
- + MS Office
- + SolidWorks
- + 3D Printing

## WORK

### Freelance Industrial Designer

Andrew Trenton Design  
Sept. 2017 to present

Consulting with clients on Industrial Design and Design Engineering. Projects ranging from lighting to consumer products, and medical, both injection molded and machined components. Clients: Avid Labs, Apollo Design Technology, Boyd Lighting, Product Pro Design.

### Mid-Level Industrial Designer

AVID Labs by Apollo Design  
July 2019 to June 2020

Designed engineered custom lighting. Managed & oversaw all aspects of projects from concept to production. Collaboration across all departments. Ideated concepts. Production-ready cad model. Design/engineer presentations/patent assets. Made Programming files for quality prints.

### Industrial Designer & Fabricator

Custom Cut Metals Inc.  
Feb. to July 2019

Creative fabrication foundry. Designed custom furniture, water-jet cutting, welding, reverse engineering welded parts, coordinated cut lists. Oversaw creative marketing, developed web platform, ensured shop efficiency. Used design thinking to improve customer service.

### Probono Industrial Designer

Kansas Medical Center R3 Lab  
Sept. 2018 to March 2019

Collaborated at University of Kansas Medical Center Repair, Reconstruction, Regeneration R3 Lab. Focused in wound healing, neural regeneration, tissue engineering, bio-materials, and 3d printing. Prototyped and taught the medical professionals about the lab's Cellink Bio-printer.

### Industrial Design Intern

Arkit Studio, Masa Israel Fellow  
Feb. to June 2018

Worked on range of products from toys/consumer to medical devices, solo & collaboratively from concept to production. Communicated with clients. Concept sketches, SolidWorks cad models of internal components + dimensions spec. Product renders & investor presentation.

### Industrial Design Studio Intern

Fast Zombie with Gabor Paulke  
Summer 2017

Learned under Gabor Paulke. Performed work for clients by delivering design & manufacturing expertise. Tasks included product research, studio support, concept ideation, prototype tests among other parts of design process. Using technology, software and agile business practices.

### Model Making Intern

Copesetic Inc.  
Summer 2015

Created product models for fortune 500. Responsibilities entailed trimming, sanding, and priming parts in preparation for painting. Direct exposure to learn about all the elements of urethane casting, model making, workflow, and part design with extreme attention to detail.

## EDUCATION

### Syracuse University BID May 2017

College of Visual & Performing Arts  
Industrial + Interaction Design program  
+ Minor in Sociology  
+ Precision Agriculture Thesis

Syracuse Abroad London Design  
At Faraday House — Jan. to May 2016

### Offsite by Advanced Design

12-week Intensive — Spring 2020  
Certified completion of all six courses  
+ Offsite Sessions Master Classes

### Masa Israel Fellowship Tel Aviv-Yafo

Career Israel — Dec. 2017 to June 2018  
In progression with Arkit Studio

## CERTIFICATIONS

### Human Subject Research, HSR

Behavioral Certification — June 2020  
CITI, BRANY Division

### Wilderness First Responder, WFR

First Aid Certification — Jan 2012  
SOLO Wilderness Medical School  
Out of Conway, New Hampshire