

# Justin Couch

Offering a unique set of intellectual and technical skills combining Design Thinking, Creative Coding, and Digital Prototyping manifesting in a range of physical/digital output.

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## EXPERIENCE

### **Continuum Innovation, Boston — Sr. Creative Technologist**

APRIL 2016 - PRESENT

Hired to bring Digital Prototyping to the Made Real Lab, Continuum's in-house prototype studio. The Made Real Lab is the central hub connecting the strategy, product and technology sectors of the company. Creating physical/digital prototypes in all ranges of fidelities, from medical device testing to screen-based UIs. Teaching coworkers digital skills through the Hacks initiative, a bi-weekly share-out of techniques and technologies. In charge of much of the office's AV equipment as well as providing content, video and creative code, for a 30ft. Lobby projection wall.

### **Tellart, Providence, RI — Sr. Technologist**

JUNE 2013 - MARCH 2016

Creating award winning physical/digital experiences using bleeding edge technologies for clients including Google, California Academy of Sciences, and HP among others. Specializing in integrating physical components (Arduinos, sensors, motors, etc.) with web technologies (node.js, browsers, WebGL, etc.). Involved in every aspect of product development: contract creation, Scope of Work, concept development, prototyping, implementation, and installation.

### **RISD, Providence, RI — Part-time Professor**

2013 - 2016

Teaching Intro to Coding class for Industrial Design students. Visiting Critic for numerous courses and presentations. Thesis advisor for several MID candidates.

## EDUCATION

### **RISD, Providence, RI — Master of Industrial Design**

SEPTEMBER 2011 - JUNE 2013

Thesis on the subject of making tools for users to create their own objects. Explorations in applying Computational Design to Industrial Design. Organized ID Lecture Series - 2012-2013. TA for Undergrad Modular Furniture Studio. Awarded the Norman Bel Geddes Award for Outstanding Masters Candidate.

### **Georgia Tech, Atlanta, GA — BS, Industrial Design**

AUGUST 1998 - MAY 2003

Graduated *with highest honors*. National Merit Scholar.

## RANDOM

Ran a job training program teaching woodworking to at-risk youth in Washington, DC. Once drove from Atlanta to Newfoundland and back in 10 days. Married with 2 fantastic little girls. While in DC was on Artist Advisory Committee for Honfleur Gallery and the Workforce Affinity Group for CYITC. I make sourdough on the weekends.

## SKILLS

Rapid Prototyping  
Digital Manufacturing  
Teaching  
Project Management  
Design Thinking  
Woodworking

## PROGRAMS

Adobe Suite  
Sketch  
Rhino / Grasshopper  
Blender  
Google Suite  
Framer Studio

## CODE

Processing  
HTML / Javascript / CSS  
Node.js  
Socket.io  
DMX  
Open Frameworks  
D3  
SVG

## PHYSICAL

Arduino  
Motor Control  
LED Control  
DMX Lighting  
Sensors  
Serial Communication