

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