

EXPERIENCE

Formlabs

summer 2016

Web Development Intern

somerville, ma

- » Worked on the frontend to implement web prototypes of re-branded, interactive company website from designer mockups using Foundation, JavaScript/jQuery, and global CSS.
- » Developed "gallery view feature" to visualize past prints using Marionette and Backbone.js.
- » Implemented redesign of "Request Sample Part" page to improve flow in the sales pipeline.

MIT Media Lab - Design Fiction Group

spring '15 & '16

Undergraduate Researcher (UROP)

cambridge, ma

- » Programmed and designed a JavaScript-intensive genomics analysis webapp in collaboration with speculative designer Ai Hasegawa for her "(im)possible baby" media art project.
- » Parsed and interpreted open-source genetic data using Python for "Perfect Human" project.

MIT Self-Assembly Lab

summer 2015

Undergraduate Researcher (UROP)

cambridge, ma

- » Modeled and prototyped fluid-assembling chair and self-assembling cellphone using Rhino and digital fabrication techniques.
- » Designed and conducted granular jamming experiments for 3D-printed chain link structures.

EDUCATION

Massachusetts Institute of Technology

class of 2018

Candidate for B.S. in Electrical Engineering & Computer Science

cambridge, ma

Relevant coursework:

- | | |
|---|--|
| » Information Design (current) | » Elements of Software Construction |
| » Design and Analysis of Algorithms (current) | » User-Interface Design & Implementation |

PROJECTS

skiary - Web Application

- » Design and full-stack development of an immersive personal diary web application with a dynamically generated user-interface.

baby buddy - User Interface Prototype

- » Collaborative class project practicing user-centered design and frontend implementation of a health-tracking app for women going through pregnancy.

prntr - Speculative Design Project

- » Developed website for far-future dating concept within MIT/RISD winter program.

make a jackie - Avatar customizer

- » Illustrated and programmed JavaScript-based mini-game for customizing an emoji of myself.

SKILLS / INTERESTS

Code

- » *Languages:* JavaScript, HTML/CSS, Python, Java
- » *Libraries:* jQuery, Backbone.js, Marionette.js
- » *Tools:* Git (version control), command-line

Design

- » UI/UX, graphic design, illustration, digital fabrication
- » *2D Software:* Adobe Creative Suite, Sketch
- » *3D Software:* AutoCad, Rhino

Research Interests

- » HCI, computer vision, digital design tools, speculative design, inclusive-design, gender studies, visual art