# jackie liu

portfolio: **jackieliu.me**
jackieleeliu[at]gmail[dot]com

## EDUCATION

### Massachusetts Institute of Technology
*Candidate for B.S. in Computer Science and Engineering & Minor in Design; GPA: 4.4/5.0*

*class of 2018*
*cambridge, ma*

Relevant coursework:

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

## EXPERIENCE

### Formlabs
*Web Development Intern*

*summer 2016*
*somerville, ma*

» Accelerated production of rebranded company website on the frontend by translating designer mockups into tangible web prototypes using CSS, JavaScript/jQuery, and Foundation.
» 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
*Undergraduate Researcher (UROP)*

*2015 - present*
*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
*Undergraduate Researcher (UROP)*

*summer 2015*
*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.

## PROJECTS

**skiary** - *Web Application*

» Designed and developed on the full-stack an immersive personal diary webapp with a dynamically generated UI based on weather.

**prntr** - *Speculative Design Project*

» Developed website for far-future dating concept for MIT/RISD collaborative workshop.

**baby buddy** - *User Interface Prototype*

» Collaborated in a group to practice user-centered design and guided graphic design decisions for web health-tracking app for pregnancy.

**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

### Additional Interests

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