

# Jim Greenberg



[github.com/JimGreenberg](https://github.com/JimGreenberg)



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## TECHNICAL SKILLS

JavaScript, jQuery, React.js, Redux, Ruby, Ruby on Rails, SQL, HTML, CSS, Git, MATLAB, Amazon Web Services (AWS), Node.js, Heroku

Adobe Creative Suite: *Photoshop, Illustrator, InDesign*

## PROJECTS

### Humanbook (Rails | React.js) [Live](#) | [GitHub](#)

A RESTful single-page social media app designed to mimic Facebook

- ⊞ Integrated efficient ActiveRecord relations to negate N+1 queries for a scalable backend
- ⊞ Implemented AWS s3 and Paperclip integration to manage custom user-uploaded images
- ⊞ Devised a polymorphically associated comments model allowing for nestability as well as support for future installments such as photos

### Scissor-io (JavaScript) [Live](#) | [GitHub](#)

A fast-paced action game parodying the popular slither.io

- ⊞ Built on the powerful Easel.js library for manipulation of the HTML5 canvas
- ⊞ Wrote a lightweight collisions and physics system to avoid requiring an entire physics library

### DOMahawk (JavaScript) [Demo](#) | [GitHub](#)

A JavaScript-powered DOM manipulation library

- ⊞ Defined a rich featureset for manipulating DOM node objects converted from HTML elements
- ⊞ Implemented Promise-based AJAX requests to allow for importing web content from API endpoints

## RECENT WORK EXPERIENCE

### Laboratory Technician | Carnegie Mellon University

Pittsburgh, PA | Summer 2015

- ⊞ Coordinated design and plan for a renovation of a collaborative lab space for chemical engineers
- ⊞ Contacted suppliers, assessed options within a budget constraint, optimized a sound proofing installation as well as completed much of the renovations firsthand

## EDUCATION

### App Academy

New York, NY | December 2016 | February 2017

1000+ hour full-stack program emphasizing pair-programming & best-practice conventions

### Carnegie Mellon University

#### BS in Chemical Engineering

Pittsburgh, PA | Graduation Date | May 2015

GPA: 3.23

Relevant Coursework: Calculus in 3D, Differential Equations (w/ numerical methods), Linear Algebra, Optimization, Signal Processing (*Process Control*)