Jim Greenberg

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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 an efficient and 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 such as photos

Scissor-io Live | GitHub
A fast-paced action game parodying the popular slither.io
–Built on the powerful Easel.js library for manipulation of the HTML 5 canvas

–Wrote a lightweight collision detection 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 undergraduate 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*)

TECHNICAL SKILLS

JavaScript, jQuery, React.js, Redux, Ruby, Ruby on Rails, SQL, HTML, CSS, Git, MATLAB,
Adobe Creative Suite: *Photoshop, Illustrator, InDesign*