

Projects

Table | (Rails, React/Flux, Javascript, CSS)

Live • [GitHub](#)

A clone of OpenTable's restaurant reservation platform

- Implements custom validation logic to identify time conflicts and prevent double bookings
- Deploys Omniauth, enabling log-in and account creation with Google accounts
- Searches in real-time and displays multiple result types giving a fully customized search bar
- Integrates AWS cloud storage for profile customization with user uploads

Canvas Force 2016 | (Javascript, HTML5 Canvas)

Live • [GitHub](#)

Web browser game inspired by Sky Force

- Orients sprites to focus on the player's ship with trigonometry adapted for Canvas
- Enables positionally linked sprites through a Sprite object and overloaded render function
- Animates sprites by shifting the index of the image frame as a function of time

Ruby ORM | (Ruby, SQL)

Live • [GitHub](#)

Basic implementation of Rail's Active Record ORM framework

- Inflects user input to create sensible SQL requests ranging from the model to association level
- null

Skills

Ruby	Javascript	jQuery	HTML	git	RSpec
Ruby on Rails	React.js	Flux	SQL	CSS	

Experience

Engineering Capstone Project

2013 - 2014

Student

Granby, CT

- Designed and executed a successful failure analysis study of the client's electrical cable jacket

Center for Clean Energy Engineering

2012 - 2013

Undergraduate Research Assistant

Storrs, CT

- Created a MATLAB program to streamline data input in the lab's solar cell test setup

Volunteer

CoderDojo NYC - Teaching kids to code with Scratch, Codesters (Python), and HTML/CSS

Digital Girl Inc - Empowering inner city youth by introducing them to code with Code.org

Education

App Academy

December 2015 - March 2016

Full Stack Web Development Course

New York City

- Rigorous 1000-hr web development course with less than 5% acceptance rate
- Covered topics such as: Ruby, JS, TDD, algorithms, OOP, REST, and data structures

University of Connecticut

2014

B.S. in Materials Science and Engineering, In-major GPA: 3.5

Storrs, CT

- Founded the UConn 3D Printing Club, reached hundreds of kids through STEM outreach