

EMILY HANSEN

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SKILLS

Ruby, Rails, Python, Pixelmator, JavaScript, CSS3, HTML5, React, Java, Flux, Redux,
PHP, jQuery, SQL, Assembly language, Git, ATS, Rspec

PROJECTS

Happeningbrite | (Rails, React, Flux) [live](#) | [github](#)

A full-stack, single page application that allows users to plan, promote, and sell tickets to events, inspired by Eventbrite.

- Ensures database security by validating user authentication on the back-end for Happeningbrite login, preventing invalid event promoting using BCrypt.
- Leverages the Eventbrite Flux cycle with React allowing users to create events, save events, and purchase tickets to events, and dynamically edit the DOM using API calls to the SQL database.
- Uploads user generated images to the cloud using Amazon Web Services S3 and Paperclip, saving reference as an attachment in a PostgreSQL database.

Donut Crush | (JavaScript, jQuery, CSS3,) [live](#) | [github](#)

Browser-based game inspired by Candy Crush.

- Implements Howler.js audio library for swapping and destroying effects.
- Performs dynamic DOM manipulation with Vanilla JavaScript (ES6) and jQuery to implement the swap and destroy functionality.
- Constructed a 2D-array grid system to handle swapping and matching.

RubyRm | (Ruby, SQL) [github](#)

Object Relational Mapping inspired by ActiveRecord.

- Supports Ruby's extensive metaprogramming and SQL to simplify database queries.
- Infers table names by default when making associations between classes.

EDUCATION

Boston University - 2016 - present (expected May 2020)

Computer Science Major, Current GPA: 3.72, Curriculum Highlights: Combinatoric Structures, Computer Systems, Geometrical, Algorithms, Concepts of Programming Languages,

App Academy - 2017

A software engineering program with an emphasis on full-stack development, algorithms, and data structures.

Connecticut College - 2015 - 2016

Computer Science Major, Curriculum Highlights: Data Structures, Web Technologies and Development, Introduction to Statistics

EXPERIENCE

Assistant Child Caregiver

US Coast Guard Child Development Center

2015 - 2016

- Provided exceptional care to children 6 months to 2 years.
- Proficient in communicating with children at different developmental stages.
- Prepared and served meals, and performed light housekeeping duties.