EMILY HANSEN

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S K I L L S

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

P R O J E C T S

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.

Manic | *(React, Redux)* live | github
A frontend, single-page web application magazine published online that focuses on technologies, the economy, and politics. Inspired by Wired.
- Supports the Wired Redux cycle with React allowing users to search stories, sort stories, and dynamically edit the DOM using API calls to the News API.

E D U C A T I O N

App Academy - 2017
A software engineering program with an emphasis on full-stack development, algorithms, and data structures.

Boston University - 2016 - 2017
Computer Science Major, GPA: 3.72, Curriculum Highlights: Combinatoric Structures, Computer Systems, Geometrical, Algorithms, Concepts of Programming Languages,

Connecticut College - 2015 - 2016
Computer Science Major, Curriculum Highlights: Data Structures, Web Technologies and Development, Introduction to Statistics

E X P E R I E N C E

Assistant Child Caregiver
US Coast Guard Child Development Center
2015 - 2015
- 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.