Elizabeth Libretti

GitHub   **Linkedin**   **Website**

Cold Spring Harbor, NY
(631) 495-7289
Libretti.Elizabeth@gmail.com

Projects

Earthy — An *Etsy-Inspired Web App*
- Utilized React Component methods, and knowledge of Javascript's event loop to allow users to update shopping Carts in real time
- Encorporated React libraries such as react-dropzone, react-carousel, and react-rating to allow for a more dynamic user experience
- Constructed partial Jbuilder views used to extract information received from AJAX requests for DRY code

Retro Revolutions — *Symmetrical Drawing App*
- Uses vanilla JavaScript and HTML5 canvas to manipulate the DOM using realtime user inputs
- Takes advantage of mathematical transformations as well as polar coordinate conversions to symetrically replicate cartesian coordinates

Shazam Music Algorithm — *Undergraduate Project*
- Used Matlab to construct an application that processed audio samples in order to match them to a database.
- Utilized signals and systems principles such as filtering, Fourier Transform, magnitude response, and frequency response

Experience

PSEG Long Island, Hicksville, NY — *Distribution Intern*
May 2017 - August 2017
- Created multiple algorithms and interactive search databases using VBA and SQL to optimize day to day work processes
- Analyzed and troubleshot district-wide electrical issues in order to identify and deliver benefit to the customer and company

Acorio, Boston, MA — *Intern*
May 2016 - July 2016
- Shadowed developers and project managers, gaining knowledge in agile software development and the software development lifecycle
- Performed research on single sign-on solutions to stream line workflow, gave a presentation on findings and recommended a provider based on company characteristics

EDUCATION

Binghamton University, Binghamton, NY
August 2014 - May 2018

Bachelor of Science in Electrical Engineering

Binghamton University Scholar's Program– Top 3% of the incoming class

App Academy, Manhattan, NY
November 2018 - February 2019

Full-time Program with emphasis on CS fundamentals, pair programming, and the latest technologies

SKILLS

Languages
JavaScript
Ruby
SQL
CSS3
HTML5
Git

Technologies
Ruby on Rails
React.js
Node.js
jQuery
AWS

Leadership

Society of Women Engineers
Binghamton University
August 2017 – May 2018
President

New York Region E
August 2017 – May 2018
Member

Electrical Engineering Student Advisory Board
Binghamton University
August 2015 – May 2016
Head Chair