# Pavel Aparcana

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**Skills**   JavaScript, React.js, Redux.js, Ruby, Ruby on Rails, HTML5, CSS3, Git, PostgreSQL, jQuery, MongoDB, Express.js, Node.js
GraphQL, Apollo Client, Sass, Material-UI, Angular 7

## Projects

**Astrogram** (JavaScript, React / Redux, Ruby / Rails, HTML, CSS, Sass, PostgreSQL)                          Live Site | GitHub
*Single-page web application based on Instagram.*
- Designed custom HTML element to upload images inspired by Instagram's theme with added UI effects when loading.
- Formalized the design by using Sass to make the application mobile friendly and responsive.
- Optimized UI by adding a dark mode with Sass and storing user's theme settings on local storage
  to persist selection from session to session.
- Integrated "like" and "unlike" animations using jQuery to add and remove CSS classes that expands, shrinks,
  and swaps icons accordingly.
- Launched the live version on Heroku and utilized Active Storage to store user Images in an Amazon Web Services
  private bucket, as well as using PostgreSQL to manage other users and image information.

**Pollidify** (MongoDB, Express.js, React.js / Redux, Node.js, JavaScript, HTML5, CSS)                          Live Site | GitHub
*Web Application that aims to reach polls worldwide.*
- Formalized and redesigned the application's UI by making it more centered on the user. Developed a static
  section element across all pages about the user with all user information and links, while keeping the code DRY.
- Pioneered a different way to display session forms by using React's parent-child references. This was accomplished by passing
  functions from the parent component, and invoked the functions within the child components to display different session forms.

**Study-fi** (GraphQL / Apollo, MongoDB, Express.js, React.js, Node.js, JavaScript, HTML5, CSS)                          Live Site | GitHub
*Spotify clone with a library filled with Lo-Fi beats.*
- Built a JavaScript asynchronous back-end function that allowed my group to seed the database with music efficiently.
- Implemented a unique interface for creating playlists inspired by the overall application design. The interface includes smooth
  transitions and animations using vanilla JavaScript to locate HTML elements, while manipulating the DOM based on the local state.
- Integrated the use of React's parent-child references by passing song objects from one child component, to the parent component, to
  the music player component in order to achieve the functionality of the music player.

**Visible** (JavaScript, p5.js, HTML5, CSS)                          Live Site | GitHub
*Simple Audio visualizer*
- Conserved memory by using vanilla JavaScript to create, remove, and append DOM elements to a root element on the page.
- Delivered graphics by extracting the amplitude and frequency properties of sound with p5.js
- Generated different classes to keep the project Object Oriented.

## Education

**App Academy**                                                                                                  Aug 2019 - Jan 2020
Immersive software development course with focus on full stack web development.

**Rutgers University**
*Bachelor of Arts in Information Technology and Informatics*                                                      July 2014 - Jan 2019

## Experience

Rutgers Recreation
***Aquatic Supervisor***                                                                                         Jan 2017 - Aug 2019
- Managed a group of 20 lifeguard staff members, and facilitated monthly in-service training sessions to refresh their
  lifeguarding skills with the latest Red Cross standards.
- Instructed and co-instructed American Red Cross Alert classes for participants seeking to be certified in
  CPR and/or Lifeguarding.

***Lifeguard***                                                                                                  Sept 2014 - May 2019
- Enforced Facility rules, monitored the pool, and monitored water chemistry levels to maximize patron safety.

Harrison Board of Education
***Pool Manager***                                                                                               Summers 2016 - 2018
- Promoted to manage the facility's payroll, work schedule, and daily earnings of 60 student employees.

***Head Lifeguard***                                                                                             Summer 2015
- Promoted to manage other lifeguards to ensure lifeguards rotate and stay active to maximize patron safety.
- Monitored pool chemistry levels to ensure that the water is safe to swim in.