Nicholas Angleton

nick.angleton@gmail.com   (208) 608-8836   New York, NY   GitHub   LinkedIn   Portfolio

Skills

JavaScript, Ruby, Java, React, Redux, Rails, Node.js, Express, jQuery, Sass, CSS, HTML, SQL, NoSQL, PostgreSQL, MongoDB, Mongoose, Multer, Webpack, NPM, Git, AWS S3, Heroku

Projects

The Gram   Live | GitHub
A full-stack clone of Instagram (React, Redux, Sass, Ruby on Rails, PostgreSQL, AWS S3, Heroku)
- Reproduced the core CRUD interactivity of Instagram (users, posts, likes, comments, follows) using RESTful routes with a Rails backend and a PostgreSQL database
- Employed AWS S3 and Active Record Associations to enable users to upload images and profile photos, while ensuring the reliability of image services
- Synthesized CSS technologies such as grid and transitions, along with as JavaScript animations, to replicate the aesthetic of the original website

Etchify   Live | GitHub
A static site that transforms user uploaded images into etchings (Javascript, HTML5, CSS3, the Canvas API)
- Emulated the line-work and shading of traditional etchings by combining a novel line recognition algorithm, which used a convolution with a five-by-five kernel, and a shading algorithm that calculated the perceptual luminance of regions in the source image
- Streamlined the user's decision making process, while providing optional advanced settings, by creating a two tiered user interface that was synchronized with vanilla JavaScript DOM manipulation

WeGo   Live | GitHub
A social media web application for trying new things (React, Redux, Node.js, Express, MongoDB, AWS S3, Heroku)
- Created Node.js endpoints and MongoDB schemas in coordination with frontend engineers to enable account creation, as well as to allow users to create and join activities
- Enabled users to securely upload and remove images, by integrating AWS S3 hosting, while using Multer and the FormData API for file processing
- Minimized sever strain for the site's search function by constructing a single-pass Mongoose query, which used regex to combine four filters and a typed phrase

Experience

Tutor
Lemon Tree Learning | New York, NY | Nov. 2021–Aug. 2022
Pleasanton Tutoring | Pleasanton, CA | Aug. 2019–Aug. 2021
- Tutored high school and college students in a wide range of subjects, including AP Calculus and AP Statistics

Associate Producer
3Girls Theatre Company | San Francisco, CA | Feb. 2021–Sept. 2021
- Produced and edited *Chasing the Ghostlight*, a long-form interview podcast
- Communicated technical concerns regarding acoustics and recording equipment to the creative team to ensure the highest level of audio quality possible
- Researched and identified key production and distribution platforms to facilitate the remote recording of guests and ensure the ease of release

Education

App Academy
New York, NY | 2022
- A 16 week full stack web development intensive with a less than 3% acceptance rate

Wesleyan University
Bachelor of Arts in Philosophy | Middletown, CT | 2018
- Relevant coursework included math, such as combinatorics and linear algebra, and intro to Java programming