Nicholas Angleton

New York, NY   (208) 608-8836   [Email](#)   [GitHub](#)   [LinkedIn](#)   [AngelList](#)   [Portfolio](#)

Skills

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

Projects

The Gram   [Live](#) | [GitHub](#)

A full stack clone of Instagram (React, Redux, Ruby on Rails, PostgreSQL, Heroku)

- Reproduced the core CRUD interactivity of Instagram (posts, likes, comments, follows) using RESTful routes with a Rails backend, a PostgreSQL database, and AWS S3 for media storage
- Ensured a responsive React frontend with minimal re-renders, by using Redux for state management and making all changes in state as specific as possible
- Synthesized CSS technologies such as grid and transitions, as well as JavaScript animations, to replicate the aesthetic and flourishes of the original website

Etchify   [Live](#) | [GitHub](#)

An image processing site that emulates traditional etchings (Javascript, HTML5, CSS3, the Canvas API)

- Produced the outline of user uploaded images via a custom line recognition algorithm that used a convolution with a five-by-five kernel
- Designed a shading algorithm that used a linear approximation for perceptual luminance to match the darkness of the source image
- Employed vanilla JavaScript for DOM manipulation to synchronize a two tiered user interface, which streamlined the user's decision making process, while also allowing them to explore more advanced settings

WeGo   [Live](#) | [GitHub](#)

A web application for trying new things (React, Redux, Node.js, Express.js, MongoDB, Heroku)

- Collaborated with a team of three other engineers in producing RESTful routes for CRUD functionality that allowed users to create and join activities
- Implemented hosting of media on AWS S3 to minimize strain on the server, while using Multer and the FormData API to facilitate user uploads of images
- Constructed Mongoose queries and updates, including a single-pass query for the site's primary search function for activities, which allowed users to combine multiple filters and a typed phrase

Experience

Associate Producer

3Girls Theatre Company | San Francisco, CA | Feb. 2021–Sept. 2021

- Produced, edited, and served as technical lead for *Chasing the Ghostlight*, a long-form interview podcast
- Researched and drafted budgetary analysis of technical equipment, as well as digital resources, such as distribution and production platforms, to achieve the highest level of audio quality with minimum expense

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, AP Statistics, and AP Chemistry, as well as standardized tests

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

- Additional focuses included creative writing and mathematics, such as combinatorics and linear algebra