

Allison Colyer

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EXPERIENCE

101Edu, Software Engineer — August 2020 - present

Full-stack engineer specializing in JavaScript, React, and React Native

Recurse Center, Participant — January 2020 - April 2020

Improved frontend and backend skills by attending a self-directed educational retreat

- Co-created [Recurse Roulette](https://roulette.recurse.com/) - a website that allows members of the Recurse Center to share video and audio streams using WebRTC
- Created [Kanye.fun](http://kanyefun.now.sh/) - a website that generates Kanye West quotes using a Markov chain

Novvum, Software Engineer — February 2019 - November 2019

Full-stack engineer at a web development agency

- Used Gatsby, styled-components, React, and GraphQL to create Novvum's website to attract new clients
- Collaborated with Prisma, a partner of Novvum, to create the next version of a GraphQL tutorial site, which serves thousands of users, using React, Typescript, GraphQL, and Gatsby
- Designed and implemented a GraphQL database schema for Novvum's largest client, Greenlight

Technovation, Junior Software Engineer — January 2018 - January 2019

Contributed to Technovation's two web applications, used by tens of thousands of students and teachers around the world

- Rebranded the Django platform using Bootstrap, Sass, and JavaScript to match mockups
- Built features for the Ruby on Rails site allowing students to submit their work and receive scores from judges

Technovation, Technical Curriculum Developer — June 2015 - January 2018

Wrote AI and technology curriculum for Technovation's two global programs

PROJECTS

Recurse Roulette – <https://roulette.recurse.com/>, Demo: <http://www.alli.science/recurse-roulette>

Recurse Roulette allows members of the Recurse Center to randomly pair to chat with each other and share video and audio through a peer to peer connection. This is accomplished using a WebRTC JavaScript library called PeerJS.

Recurse Roulette was built using JavaScript, Node.js, and Express, and is deployed using Heroku.

Feelsbot – www.feelsbot.me

Feelsbot visualizes a city's mood based on the Tweets from people there. Feelsbot uses a machine learning API from IBM to assess emotional sentiment, the Twitter API to fetch tweets, and Google Maps to search for locations. Feelsbot was built using React, GraphQL, and Node.js. The GraphQL server is deployed using Zeit, and the React app is deployed using Netlify.

Kanye.fun – www.kanye.fun, Example API endpoint: <https://kanyefun.now.sh/quote/2>

Kanye.fun is a website that generates fake Kanye West quotes using a Markov chain. The site is built using JavaScript, Sass, and HTML. The quotes for the site were scraped using Python and BeautifulSoup. The API endpoint was built using Node.js and Express and is deployed using Zeit.

SKILLS

Programming Languages: JavaScript, TypeScript, Java, Dart, Python, CSS, Sass, HTML

Frameworks and Technologies: React, React Native, Node.js, GraphQL, Flutter, Express, Git, Netlify, Heroku, Bootstrap

EDUCATION

The Cooper Union – New York, NY

Bachelor of Engineering, Chemical Engineering, May 2015

Attended with a full-tuition scholarship valued at \$150,000