

Allison Colyer

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EXPERIENCE

Recurse Center, Participant — *January 2020 - Current*

Transitioned from frontend engineering into backend engineering by attending a self-directed educational retreat

- Led a study group for the MIT OpenCourseWare - Introduction to Algorithms
- Created [Kanye.fun](http://kanye.fun) - 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 start-up

- Used Gatsby, styled-components, React, and GraphQL to create Novvum's website, which is a marketing site and is the primary way they get new clients
- Used React Native to implement a survey feature on mobile client app called Raizzz
- Co-authored the EdX course [Exploring GraphQL: A Query Language for APIs](#)

Technovation, Junior Software Engineer — *January 2018 - January 2019*

Contributed to Technovation's two web applications and analyzed data from programs

- Rebranded the company's Django platform using Bootstrap and Sass to match new branding guidelines
- Analyzed competition data to decide winners, find regions with the highest impact and inform program decisions
- Used PHP and CSS to rebranded the Technovation Girls custom Wordpress site
- Created a feature for students to view their scores on the Ruby on Rails platform

Technovation, Technical Curriculum Developer — *June 2015 - January 2018*

Wrote curriculum for Technovation's two global programs

- Created a project-based artificial intelligence curriculum for elementary school children and their parents
- Authored the Technovation Girls curriculum teaching coding and entrepreneurship to middle and high school students

PROJECTS

Feelsbot – www.feelsbot.me

Feelsbot is a web application that assesses emotional sentiment in Tweets and can calculate the mood of any city or of any Twitter user. Feelsbot uses a machine learning API from IBM to assess emotion, 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, API endpoint: <https://kanyefun.now.sh/quote/2>

Kanye.fun is a website that generates fake Kanye West quotes using a Markov chain. I built the site using Javascript, Sass, and HTML. I scraped the quotes for the site using BeautifulSoup and Jupyter Notebook. I also built an API endpoint using Node.js and Express and is deployed using Zeit.

SKILLS

Programming Languages: JavaScript, TypeScript, GraphQL, Python, CSS, Sass, HTML

Frameworks and Technologies: React, Rails, Git, Netlify, Heroku, Zeit, 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