

# Eugene Chung

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Brooklyn, NY

## TECHNICAL SKILLS

React, Redux, Express, Node, Rails, Javascript, Ruby, Python, jQuery, SQL/Postgres, MongoDB, AJAX, Git, D3, HTML5, CSS3

## PROJECTS

### Dropify - Built with Rails, React, Redux, PostgreSQL, Webpack, HTML5, CSS3, Heroku, AWS

[Live Site](#) | [Github](#)

*A single-page Spotify clone where users can stream music, create playlists, and like/follow their favorite content*

- Implemented a customized React music player using HTML5 audio with Redux's global store by dispatching actions only when sharing information across components and encapsulating music player data to provide an uninterrupted experience during navigation.
- Designed a search algorithm that utilized SQL queries and back-end controllers to filter entries in the database alongside a front end sorting algorithm to display search results in order of relevance to the user's search query.
- Constructed modal and dropdown menu components that dynamically updates its contents based on the crud action selected by the user, ensuring a maintainable and DRY codebase.
- Reduced needed PostgreSQL database tables for user follows/likes by 25% by utilizing polymorphic associations on the database level, as well as Rails concerns on the model and controller level, ensuring a DRY and readable codebase on both the front-end and back-end.
- Connected the Rails backend to AWS S3 for audio/image storage and organization, which reduced server load and improved scalability, while maintaining content security with AWS IAM.

### Identifying Music Genres: What Makes a Genre Unique? - Built with D3, HTML5, CSS3, Webpack, Babel

[Live Site](#) | [Github](#)

*An interactive Javascript D3 scatterplot which maps the musical similarities and differences across 620+ music genres*

- Used D3, to append 600+ HTML nodes with customized display attributes to the DOM in order to create a clean data driven visual.
- Implemented a menu of buttons with D3 JavaScript to dynamically recycle HTML nodes by binding different data sets, which reduced load time between song characteristics and displayed smooth transitions between outputs.
- Utilized asynchronous event listeners to create, update, and recycle the same DOM node to increase scalability for rendering tool-tips across 600+ data plots.
- Used Python, to parse through 130000+ rows of data sourced from Kaggle, in order to remove duplicate rows of data for D3 scalability and compatibility.

## EXPERIENCE

### Associate Software Engineer & Instructor

*App Academy*

Jan 2020 - Present

- Prepare and deliver daily lectures on Ruby programming paradigms and fundamentals that involve using best practices in software engineering.
- Perform daily code reviews on student's work in order to prepare them for one of the nation's top coding bootcamps through AGILE software development techniques such as pair programming.

### Senior Associate, Marketplace Operations

*NewtonX*

Jul 2017 - Jun 2018

- Facilitated connections between clients and experts through our marketplace and drive value by delivering relevant expertise to top tier consulting firms, including BCG, Bain, McKinsey, as well as tech companies such as Microsoft and Activision.
- Assessed our client's granular knowledge needs and created a precise list of keywords in order to design a sophisticated search strategy, via LinkedIn, to source the largest pool of relevant experts for a project.
- Performed outreaches by phone/email to source, onboard, and screen all experts across all professional levels (c-suite, vp, director, etc) on their expertise and knowledge points in order to match them with clients that will drive the highest ROI.

### Field Operations Leader, Retail Operations

*Curbside Inc*

Jul 2015 - Mar 2017

- Traveled to various states to train retail partners such as Target, CVS on Curbside software, workflow, and troubleshooting.
- Conducted field research and analysis to generate reports which enhanced end-to-end Curbside customer experience and retail partner integration.
- Monitored, audited, and verified the accuracy of orders from customers utilizing Curbside's internal order tracking system driving an increase in thousands of online order revenue.

## EDUCATION

**App Academy** - 1000 hour intensive full-stack web development course with a less than 3% acceptance rate

Aug 2019 - Nov 2019

**Lafayette College** - BA - Mathematics & Economics - Minor - Financial Policy & Analysis - GPA 3.73

Aug 2011 - May 2015