

EDWARD GARRETT

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

Boise, ID

SKILLS

React.js, Redux, Ruby, Ruby on Rails, JavaScript, HTML, CSS, SQL, MySQL, Mongoose, MongoDB, Node.js, Express, PostgreSQL, Webpack, JQuery, Ajax, Git, Heroku, Amazon S3, C++, Splunk, D3.js, Laravel, Azure

EDUCATION

Web Development - App Academy | August 28th, 2020

MS Cybersecurity - Fordham University, Graduate School of Arts and Sciences | 2018 - 2019

BS Computer Science - Fordham University of New York | 2014 - 2018

PROJECTS

BANDCHAMP (Ruby, Rails, React/Redux, HTML5, CSS3)

[live](#) | [github](#)

BandChamp is a clone of the popular website Bandcamp where artists host art and music, and fans directly support those artists

- Implemented Amazon S3 cloud storage buckets to improve media file storage efficiency and speed as well as to secure transmission and storage of files using AES-256 and TLS respectively.
- Engineered a Front-end audio player by utilizing the HTML audio tag and related DOM events to correlate metadata and timeupdates between a seekbar and song audio producing a smooth seekbar that tracks with song's audio and duration.
- Designed a polymorphic association from the Picture Model to the Album and User Models letting the Picture instances hold the S3 attachments making testing code and S3 management cleaner and simpler on the Back-end.

REAL-ANALYTICS (MongDB, Express.js, React.js, Node, JavaScript)

[live](#) | [github](#)

Real Analytics uses Google Maps and Realtor API data to search for properties data and statistics on those properties

- Took longitudinal and latitudinal data from Realtor API and passed it as a prop to the 'GoogleMap' component setting the "defaultCenter" object with the 'lat' and 'lon' keys to accurately place markers on the map.
- Procedurally generated property data and supplied map markers with an onClick function to pass the associated property ids as arguments allowing users to view a summary of properties by clicking on the appropriate marker.
- Leveraged Recharts React library, alongside a digest of reformatted data pulled from the Realtor API to graph a property's year built, price per square foot for rentals and residential alongside all other properties of that zip code.

GOING VIRAL (JavaScript, HTML5, CSS3, D3.js, Express.js)

[live](#) | [github](#)

GoingViral uses CDC API to present pertinent Coronavirus data on a state by state basis in the US in an engaging manner

- Engineered a scrollable sidebar through CSS ::-webkit-scrollbar which holds clickable state initials that trigger both an API Express call to GET COVID data to be ingested by D3.js and a rerender for TopoJSON data to highlight selected US states.
- Fashioned a bar graph using SVG tag and D3 Scalelinear and ScaleBand alongside JS setTimeout function and D3 transition duration and delay to create scalable graphs with smooth and synchronized transitions.
- Designed a dynamic splash page using custom CSS keyframe animations for svg objects and images to obfuscate image loading time and capture the users attention.

EXPERIENCE

Freelance Developer

InDevelopMe, Remote

February 2021 - Present

- Document and create Azure Cloud VMs, SQLservers, Laravel web-app, and Azure DevOps hosting to later be translated by a technical writer into a "HOW-TO" instruction set for small businesses.
- Configure Laravel web applications with git bash, tortoisegit, SSMS, SQLserver Express, Composer, PHP into barebone web-app ready to be developed or exported to any local machine or VM.

Sales Associate

Pour Wines, New York, NY

July 2018 - August 2019

- Input, audited, and updated product information through e-commerce platform Shopify, inventory management system Shopkeep, and Microsoft excel daily.
- Upheld managerial responsibilities which included daily accounting duties, vendor/client relations, coordinating receiving and shipping schedules, inventory management, as well as assisting every customer that walked in the shop.
- Trained multiple employees in sales techniques, wine knowledge, and relevant laws in addition to daily tasks.
- Regularly exceeded sales goals for 'average per transaction' of greater than \$40.