

Brian Tjoe Walsh

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[PORTFOLIO](#)

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SKILLS React, Redux, Express, Node, Ruby, Ruby on Rails, Javascript, HTML5, CSS, AJAX, SQL, Git, D3, AWS

PROJECTS

SLOWCLOUD (Ruby on Rails, PostgreSQL, React, Redux, JQuery, AWS)

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

A Soundcloud clone based around a sub-genre of rock music called Shoegaze

- Created a dynamic streaming platform utilizing Ruby On Rails with PostgreSQL, allowing users to create profiles, upload their own songs, create albums, and stream others' music in the community
- Stored hundreds of song and picture files using AWS, emulating a contemporary streaming platform and keeping server load light and scalable
- Implemented audio player using React.js components that always remains mounted, allowing the music to play continuously while switching between pages

SQUAREGROOVE (MongoDB, Express.js, NodeJS)

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

Digital synthesizer grid loop, allowing users of all musical experience to create songs on the fly

- Completed application with two other engineers over the span of 5 days by cooperatively delegating tasks and enforcing standard Git workflow
- Implemented keyframes & jQuery through HTML & CSS in order to provide a dynamic user experience with the application
- Seeded application with multiple audio samples, as well as provide BPM scrollability, that can be switched in middle of application seamlessly

THE DESOLATION OF SMOG (Javascript, D3)

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

Data Visualization expressing the CO2 emissions of the world over 200 years

- Used yearly CO2 emissions API data, differentiated by year and country, to convey the gravity of climate change through a data visualization
- Incorporated D3, geoJson mapping & csv data files to create a global map projection, dynamically incorporating emissions data through color gradient
- Interpret elements on the DOM by applying vanilla Javascript, allowing users to dynamically scroll between emissions through the years

EXPERIENCE

High School English Teacher

Monta Vista High School - Cupertino

June 2016 - June 2017

- Developed daily lesson plans and strong classroom management skills through teaching 150+ students daily
- Collaborated with English Department weekly to direct unit plan, using state regulated content standards
- Accommodate lessons to English Language Learners and students with special needs by providing materials in different languages, and allocating extra one-on-one time for those who need further assistance

Lead Bank Teller

JP Morgan Chase - Los Angeles

Sept 2017 - Feb 2019

- Trained new employees on proprietary teller operating system, answering technical questions and providing mentorship
- Trusted with the responsibility of handling twenty thousand dollars daily, and was the only teller during my time there to not accrue losses
- Worked with customers regularly to understand their expectations and achieve a solution that benefits both parties

EDUCATION

Web Development - App Academy | Fall 2019

- Immersive 1000+ hour intensive software development bootcamp with acceptance rate of <3%.

Masters In Education & Teaching Credential - Santa Clara University | Class of 2017

Bachelors In English - University of California Berkeley | Class of 2015