

TECHNICAL SKILLS

JavaScript, Ruby, React, Redux, Ruby on Rails, Ruby, CSS3, HTML5, Git, SQL, Max/MSP, AWS, Webpack, Node.js, Express, PostgreSQL, MongoDB

PROJECTS

Tinnitus | *(React/Redux, Ruby on Rails, HTML5, CSS3, PostgreSQL, AWS)*

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

Pixel perfect clone of Spotify's web client

- Utilized RESTful routes in the backend to map HTTP verbs to controller actions in order to produce consistent and easily navigable code.
- Employed a user authentication system that encrypted sensitive information, via BCrypt hashing, and temporarily stored user info in disposable session component states.

Splat | *(React/Redux, Express, Node.js, HTML5, CSS3, MongoDB)*

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

Interactive single page audio sampler and sequencer

- Created an interactive audio sampler and sequencer with intuitive controls and user accessibility in mind.
- Implemented Tone.js in order to play multiple audio samples simultaneously with.

Bends | *(JavaScript, Three.js, HTML5, CSS3)*

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

Renders a 3D depiction of a massive object warping the section of space-time it inhabits

- Leveraged the Three.js library in order to create malleable 3D objects that can be manipulated via precise directional sliders and general drag and drop controls.
- Administered clean CSS styling for easy user interaction and accessible, semantic controls.

EXPERIENCE

Head Instructor

Mathnasium Forest Hills

Aug 2018 - June 2019

- Developed teaching techniques and learning plans for high school students and students with IEPs (Individualized Education Program) who were not supported by the current system, specifically.
- Managed the center if the center director was out, taking on the responsibility of teaching new employees, grading new hires' entrance exams, interfacing with parents, and instructing if low on staff.
- Worked 15+ extra hours a week when understaffed in order to keep the center operating smoothly.

EDUCATION

Bard College | *BA Physics, 2015-2018* | *Annandale-on-Hudson, New York*

- *Completed an undergraduate degree in 3 years, participating in Gravitational Microlensing research and writing a senior thesis entitled, 'A Technical Analysis and Exploration of Guitar Pickups'.*

AppAcademy | *2019-2020* | *New York, New York*

- *Intensive programming boot camp, with < 3% acceptance rate and 1100+ hours of experience, focused on fullstack web development using multiple languages and frameworks including JavaScript, React/Redux, Ruby on Rails, etc.*