

# Wai Chun Chan | Software Engineer

t: 347.425.2679

e: [wcc325@nyu.edu](mailto:wcc325@nyu.edu)

New York, NY

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

[AngelList](#)

## Skills

React.js, Redux.js, JavaScript, HTML5, CSS3, Ruby, Ruby on Rails, jQuery, SQL, postgresSQL, AWS, Heroku, Webpack, Git, SQLite3

## Projects

### PokeBoom

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

HTML5, Canvas API, JavaScript, Webpack, Audio Web API

*Audio Visualizer built with Vanilla JS and a Web Audio API*

- Incorporated canvas element that draws the visualizer with a formula that grabs an arc of a circle which then draws bars based off the data gained from the Web Audio API
- Implemented RMS and an arc formula to generate a responsive pulsating circle off with the data generated from the API to produce a circular visualizer that is responsive to the sound of the track
- Devised a Pokemon theme visualization that's interactive based off the RMS which changes the color of visualizer and the background

### CloudNine

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

JavaScript, React / Redux, Ruby on Rails, postgresSQL, CSS3, AWS, Heroku, Webpack

*SoundCloud clone created with Ruby on Rails, Javascript, React-Redux*

- Integrated user authentication for sign in/sign up which uses BCrypt to hash user sensitive login information
- Designed a functional continuous play and pause music player by using Javascript audio object with react lifecycle methods and redux to create play/pause function based off the UI player state
- Implemented a playlist connected to the tracks model through a joins table in the backend allowing users to create playlists with tracks on the spot while rendering it all out
- Applied modals throughout the website which are controlled by the React-Redux state without redirecting users to a new/different page
- Established a connection between AWS and the project to store and extract media objects allowing any user to view images and to listen to audio

## Experience

**Part-time IT Field Tech** | December 2013 - July 2017

JS Technology - Consulting IT Firm

- Pathed out the physical network path and installed conduits to place the wires in
- Routed the wires from port to network closet and set up the network rack

## Education

**App Academy** | June-Sept 2019 | New York, NY

A prestigious bootcamp, with an acceptance rate of 3%, known for producing successful software developers averaging 1000 hours of coding through a rigorous three month course

**New York University** | Sept 2014-Sept 2018 | New York City, NY

**School of Engineering**, Bachelor's Degree of Business Technology Management

Studying in the field of how businesses use technology within their corporation and the behaviors of an organization. Strategizing in Finance learning the foundations of finance and advance level and accounting.