

# TIM SAKOW

Software Engineer (201) 566-6187 [tcsakow@gmail.com](mailto:tcsakow@gmail.com)

[GITHUB](#) [LINKEDIN](#) [PORTFOLIO](#)

**SKILLS** React.js, Vue.js, Redux, Ruby, Rails, Laravel, PHP, Javascript, D3, HTML, CSS, SQL, git

## EXPERIENCE

**Junior Engineer / Business Operations**

**Feb 2020 - Present**

**Fullstack Developer Intern**

**Dec 2019 - Feb 2020**

***Prompt Therapy Solutions***

- Developed responsive email templates with Laravel to enhance business outreach to patients
- Implemented websocket connections to reflect real-time schedules for multiple users within a PT Clinic
- Built a series of new components for our product's centralized dashboard to improve client workflow
- Increased app performance by refactoring initial load processes for clinic data upon login or refresh
- Automated client onboarding paperwork with PHP and Google API, increasing individual coworker bandwidth by about 2 hours a week
- Contributed to the agile development process during design reviews and grooming sessions
- Updated and maintained existing code to remove unexpected behaviors and bugs

## PROJECTS

**HotTubMemeMachine** [live](#) | [github](#) (JavaScript, Vue.js, Quasar, PHP/Laravel, PostgreSQL, AWS, Heroku)

*A chronological overview and analysis of memes from when they took the internet by storm*

- Formalized a responsive layout for all pages of the web application with flexbox and media queries
- Implemented Laravel Passport Auth for admin only access to CRUD actions and components
- Modified rich text editor to accept pasted images by adding a function to insert image URLs into html
- Utilized Vuex to centralize state management for dynamic components of the application

**InstaSham** [live](#) | [github](#) (React.js, Redux, Ruby on Rails, JavaScript, jQuery, PostgreSQL, Webpack, AWS, Heroku)

*Single-page Social Media Platform inspired by Instagram where users can post images and interact with other users*

- Safeguarded user accounts and interaction privileges with backend authentication processes using BCrypt, React Routes, and persistent session tokens
- Leveraged AWS and Rails Active Storage to host image files associated with specific users
- Formulated custom algorithms for photofeed, timestamp displays, and user feeds
- Created a RESTful API to handle user interactions to make for a more seamless single-page UX

**Interactive Baseball Data** [live](#) | [github](#) (JavaScript, D3, HTML, CSS)

*An in depth data visualizer for offensive and pitching stats where users can overlay different datasets*

- Created custom algorithms to dynamically parse CSV data for improved user interactions and visualizations
- Utilized D3.js library to analyze and display rich interactive data visualizations based on user data selection
- Improved rendering times for data visualizations by partitioning data requests based on user input

## EDUCATION

**Certificate of Web Development** - *App Academy (Spring 2019)*

**Bachelors in Mechanical Engineering** - *Northeastern University, 2016*