# Adrian (Tae Hyun) Kim | Software Engineer

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## SKILLS

Programming: React, Redux, JavaScript, Ruby, Ruby on Rails, HTML, CSS, Sass, AWS S3, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, D3.js

## PROJECTS

**VaporWave** | *React, Redux, Ruby on Rails, JavaScript, HTML5, CSS3, Sass, AWS S3*                    **Live** | **GitHub**
*A full stack clone of SoundCloud where users can upload and listen to songs.*

- Used Active Storage and AWS S3 to send and request files stored on the cloud to implement upload functionality for music, song photos, and user profile photos in order to reduce overall server load time.
- Created a music player using Redux's state to store information about the current song, and the queues for both played and next songs in order to continuously play songs while navigating through the website.
- Integrated multi-step forms for account creation and song upload by tracking the current step in React's local state, separating the form into simpler inputs to provide a better user experience.
- Utilized React's local state to keep record of which song was hovered over on the homepage to display a play button for each song for ease of access to play the respective song.

**FTP** | *React, Redux, JavaScript, HTML5, CSS3, Sass, MongoDB, Express.js, Node.js, Twilio*                    **Live** | **GitHub**
*A lightweight CRM tool for protest organizers to communicate with fellow activists through SMS messages.*

- Collaborated with a team of three other software engineers, adhering to a strict Git workflow to minimize the chances of merge conflicts, contributing to both frontend and backend functionalities as the flex.
- Developed the frontend functionality of bulk creating contacts via CSV by reading the file as text and passing it to a custom parser that extracts phone numbers and names to provide an option for faster contact creation.
- Integrated Twilio API as an SMS gateway and recorded outbound messages on MongoDB through the Express library, Mongoose, allowing users to send messages and review their outbound message history.

**Heat Check** | *JavaScript, HTML5, CSS3, Sass, D3.js*                    **Live** | **GitHub**
*A data visualization web application where users can compare the top NBA players' stats.*

- Utilized D3.js library to parse CSV files for the selected stat and number of seasons and display the data for both career and seasonal average stats on player cards and a line graph respectively.
- Designed a minimalistic user interface by employing each button to execute multiple event handlers simultaneously for users to efficiently and effectively visualize and compare datasets.

## EXPERIENCE

**Payroll Specialist**                                                                      Apr 2018 - Mar 2020
*Geneva Worldwide, Inc.*                                                                      New York, NY

- Reimbursed payments to independent contractors, reporting an average weekly accounts payable of $95,000.
- Supervised the payroll department, training and producing guides for new members and communicating with the accounting manager on weekly reports and progress.
- Generated invoices for 60+ clients for an average monthly accounts receivable of up to $50,000.
- Communicated with multiple departments regarding payroll issues to maximize the accuracy of each payroll report.

## EDUCATION

**Binghamton University, State University of New York** | *Bachelor of Science in Accounting*                    2017
App Academy | *1,000+ hour immersive full stack web development program with < 3% acceptance rate*                    2020