

# Keanen Bafekr

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KeanenBafekr@usf.edu

## SKILLS

**Languages:** Javascript, Python, HTML5, CSS3, SQL, Git

**Proficient in:** React, Redux, Flask, SQLAlchemy, Express, Sequelize, jQuery, Docker, Heroku, AWS, PostgreSQL

**Key Skills:** Test-Driven Development, Pair-Programming, Object-Oriented Programming

## PROJECTS

**Hootube** (ReactJS, Redux, Flask, SQLAlchemy, AWS, Docker, Heroku)

[Live Site](#) | [Github](#)

*A full-stack one-to-one clone of Youtube, a popular social media and video sharing platform.*

- Designed and implemented **complex database schemas** that accurately reflect the fluidity of Youtube's features and utilized SQLAlchemy to efficiently run queries for these interconnected functionalities.
- Created an intuitive, immersive, and friendly user-interface by using **React** with **CSS**.
- Incorporated **Redux** in combination with **React** to create a globally responsive web application that includes a variety of interconnected and dependent functionality.
- Utilized **AWS** to allow for the secure file uploads and allowed for key features to dynamically function in response.

**Klickr** (ReactJS, Redux, Flask, SQLAlchemy, Docker, Render)

[Live Site](#) | [Github](#)

*An image hosting site that replicates the key functionality found on the website Flickr*

- Collaborated with three other developers in producing a **fully-functional** and **bug-free** web application by utilizing an efficient **git** workflow along with **Scrum** principles.
- Led the construction of the application's **Redux** store, ensuring a **dynamic** and fluid **global state** that persists with user interactions and accurately synchronizes with the backend.
- Utilized **Flask** and **SQLAlchemy** to develop a **Restful** backend server with responsive API's for frontend client-side requests.
- Led the development of several core application features, using **React** hooks to create effectual and persistent functionality.

**MusicCloud** (ReactJS, Redux, Express, Sequelize, NodeJS, Render)

[Live Site](#) | [Github](#)

*MusicCloud is a music sharing website based on SoundCloud*

- Used **AWS** and **ReactPlayer** to allow for seamless user uploading of music files and allow them to dynamically use them in a modern web application
- Manipulated **React** and **CSS** to create a sleek, intuitive application that adequately mimics SoundCloud user-interface.
- Created fluid and efficient relationships in key databases and **Restful API's** by using **Sequelize**, **NodeJs**, and **Express**.
- Used **frontend** and **backend validators** to prevent bad requests from manipulating user information and to allow for user authorization to create a secure web application.

## EXPERIENCE

**The Social and Psychological Research for Understanding Crime Etiology**

**Tampa, Florida**

*Research Assistant*

January 2018 – August 2019

- Conducted a meta-analysis for street code as an indicator of gang violence and coded risk assessment data for inmates and their likelihood of recidivism.
- Compiled data for missing person cases based on key individual demographics and analyzed the amount of media coverage given based on their demographics

## EDUCATION

**App Academy**

*24-weeks online full-stack Software Engineering program*

**New York, New York**

November 2022

**University of South Florida**

*Bachelor of Science in Cell and Molecular Biology*

**Tampa, Florida**

May 2020