# Karl Felter

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## SKILLS
JavaScript, Node.js, Express, React / Redux, Python, Flask, SQL, SQLAlchemy, PostgreSQL, HTML, CSS, Git

## PROJECTS

Instaclone | *(React/Redux, Flask, AWS, PostgreSQL)*                                   **live** | **github**
*A pixel-perfect clone of instagram allowing users to upload their photos and view others photos.*
- Implemented AWS image upload with S3 allowing users to upload their own images from their computers, reducing server load and allowing scalability of image services.
- Ensured user privacy using Javascript and Flask validations preventing non-authorized users from making changes to content that they did not upload.
- Leveraged React and Redux to generate a reactive website experience.

Sound Study | *(React/Redux, Express, PostgreSQL, HTML)*                                **live** | **github**
*A website for users to share and listen to their favorite lofi music.*
- Integrated Redux with HTML5 media components to allow users to play their uploaded songs.
- Designed a React and Redux driven frontend to ensure a reactive user experience when adding new songs and comments.
- Ensured user authentication with React in order to protect user created cheatsheets from being edited or deleted by unauthorized users.

Cheatsheets | *(Flask, React/Redux, AWS, PostgreSQL)*                                   **live** | **github**
*A software developer targeted website for guides on varying technologies.*
- Worked collaboratively with a team of four people, utilizing a kanban board and git to create a smooth working experience, and to distribute responsibilities across the team.
- Utilized AWS S3 to upload images, allowing for more comprehensive guides for a more intuitive user experience.
- Implemented custom search feature with Redux to more easily navigate cheatsheets.

## EXPERIENCE

### Soccer Coach
*TSF Academy*                                                                          Dec 2020 - Dec 2021
- Coached teams ranging in age from kindergarten to highschool in groups of up to 30 kids at a time, elevating their personal skills and ability to work as a team.
- Led practices and created training scenarios to increase the team's productivity and learning.
- Trained ten new coaches on how to run practices, giving advice on what drills to try, providing a smooth transition into a new role.

### Audio Engineer
*Studio 631*                                                                           Dec 2019 - Dec 2020
- Utilized the Pro Tools software to record and mix audio for up to 15 artists a week.
- Worked closely with over 100 clients in a collaborative setting, to ensure a finished product that satisfied both parties.
- Created an optimal music recording space by setting up equipment to best capture audio.

## EDUCATION
App Academy - Six month software development bootcamp                                   April 2022
SUNY Plattsburgh - *Bachelor of Science, Criminal Justice*                              May 2019