

# Sam Kramer

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**SKILLS** Python, JavaScript, Node.js, Docker, Perl, Linux, Bash, Git, PostgreSQL, SQLAlchemy, Sequelize, Flask, Express, RESTful APIs, React, Redux, Heroku, HTML, CSS, MySQL

## PROJECTS

**“Stop wasting your Heroku dyno hours”** (Published on Medium, May 2023)

[Article published on Medium](#)

*An article on my resource-optimization strategy for economically managing server hours without appearing broken*

**GETit** (Built with Python, Docker, Flask, PostgreSQL, SQLAlchemy, JavaScript, React, Redux, HTML5, CSS3) [Live Site](#) | [Github](#)

*It's Reddit but for jokes. Get it?*

- Designed and deployed efficient data storage and processing by thoroughly engineering a secure database in Python with a SQLAlchemy ORM and Flask.
- Developed a single-page application by leveraging React functional component structure and client-side routing to render relevant data onto the DOM, dependent on URL parameters.
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data with AJAX requests when querying the PostgreSQL database for posts, comments, and votes.
- Implemented Docker to create maintainable containers to allow rapid deployment and portability of the application while still ensuring a consistent runtime environment.

**Wineaux** (Python, Docker, Flask, PostgreSQL, SQLAlchemy, JavaScript, React, Redux, HTML5, CSS3)

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

*A reviewing app for wine lovers inspired by Untappd*

- Collaborated virtually with a team of four engineers serving as a flex-developer, worked on features such as user authentication and CRUD features for wine listings.
- Implemented a custom React modal to confirm deletions of any products allowing preventing unintentional destruction of data.
- Applied Github best practices to prevent merging conflicts allowing for productive and collaborative teamwork.

**Kelp!** (JavaScript, Express, PostgreSQL, Sequelize, React, Redux, HTML5, CSS3)

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

*A Yelp-like recommendation app for seaweed-related businesses*

- Built a secure user auth system, utilizing BCrypt to hash and salt passwords, strengthening data protection for the backend.
- Designed a search feature using Redux, allowing users to find seaweed-related businesses by name.

## EDUCATION

**App Academy**

*Curriculum of Study in Web Development (JavaScript and Python)*

**San Francisco, California**

December 2021 – July 2022

**Yeshivas Ohr Somayach**

*Bachelor of Talmudic Law*

**Jerusalem, Israel**

August 2015 – September 2018

**Tulane University**

*Coursework in Engineering and Physics*

**New Orleans, Louisiana**

August 2007 – May 2009

## EXPERIENCE

**Redners Warehouse Markets**

*General Merchandise Manager*

**Doylestown, Pennsylvania**

October 2013 – May 2014

- Planned, ordered, and organized approximately \$15k of product weekly to maximize sales and minimize appearance of “emptiness” on shelf space, while being responsive to customer and manager requests.
- Performed a detailed review of each invoice and requested credits from vendors where necessary to ensure accuracy across several parameters and avoid actual or perceived losses for the company.
- Delivered exceptional customer- and client- experience through hands-on leadership of associating with shoppers, vendors, and corporate managers, often acting as a single point for the interface of all three.

*Receiver*

July 2012 – May 2014

- Managed receiving dock according to rigid scheduling, adhering to strict security procedures of recording/verifying sealed doors
- Checked in and carefully observed vendors to verify incoming product against invoices and highlight discrepancies between expected and actual costs for corporate review, and enforce store and company rules for vendors.
- Achieved a perfect record recording zero product losses in supervising/managing the back room and receiving dock for security, efficient organization, and cleanliness, also utilizing dangerous equipment including a baler, fork lift, and trash compactor.