

# Nathan Mac

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**SKILLS** JavaScript, Python, React / Redux, Flask, Sequelize, Express, SQL, HTML, CSS

## PROJECTS

Feedit | (JavaScript, Python, React / Redux, Flask, HTML5, CSS)

[live](#) | [github](#)

- Implemented customizable user-specific feeds in Javascript according to topics of interest.
- Developed Redux based user-friendly functionality, allowing users to create, edit, and delete their own posts to share with the community.
- Adopted Redux stores to consolidate all relevant information on a page into one resource, minimizing the disjointed feel of page refreshes.

RobinHoop | (JavaScript, Python, React / Redux, Flask, HTML5, CSS)

[live](#) | [github](#)

- Established Flask routes required to track stocks of specific NBA teams that update real-time in a simulation-based game.
- Constructed a Javascript algorithm to generate a plethora of data that can be used as a stock-trading experience without the consequence of putting real money on the line.
- Facilitated a React-chartjs implementation of a real-time graph for users to visualize their profits and losses by buying or selling stocks at any given time.

GoodEats | (Javascript, Sequelize, Express, HTML5, CSS)

[live](#) | [github](#)

- Designed visually pleasing cards with CSS to display existing recipes and recipe boxes to users.
- Assembled PostgreSQL database structures with Sequelize to allow users to consolidate recipes they are enthusiastic about in personalized collections of recipe boxes.
- Employed Express API routes to allow smooth functionality across the entire application.

## EXPERIENCE

Mathematics Tutor

Kumon

June 2017 - Jan 2020

- Developed critical thinking skills in over 80% of students to proactively think about approaches to unfamiliar problems.
- Managed branch responsibilities by serving as the sole instructor for math calculus and above.
- Instructed the inner workings of calculus and differential equations to kids as early as 8th grade.

## EDUCATION

San Jose State University - BS Physics, 2015-2019

- Python based Computational Methods in Physics
- LaTeX
- Dean's Scholar

AppAcademy - Certificate, 2021

- 1000 hour full-stack software development bootcamp
- <3% acceptance rate