

Mark Mansolino

(908) 227-3779 [GitHub](#) [LinkedIn](#) [Website](#) [Email](#)

SKILLS JavaScript, TypeScript, Python, React, Redux, React Hooks, Node, Express, GraphQL, PostgreSQL, Sequelize, MongoDB, Mongoose, Flask, SQLAlchemy, Alembic, HTML5, CSS3, SQL, Enzyme/Jest, Git

PROJECTS

Taskflow (ReactJS, JavaScript, Express, Sequelize, NodeJS, PostgreSQL)

[Link](#) | [GitHub](#)

Create, move around, and delete tasks and columns in shared projects. Integrated with Trello API.

- Designed 4 automatic scripted drag and drop sequences using the react-beautiful-dnd library along with React Hooks, creating striking visual presentations of coded events for a smooth user interface
- Informed user about the outcomes of interactions based on the state of a PostgreSQL relational database and set specific React states to provide the user with useful feedback regarding form submission
- Persisted changes in DOM element locations across user sessions by saving drag and drop outcomes in a PostgreSQL relational database using Sequelize ORM, delivering a consistent front-end user experience

Prova (React / Redux, JavaScript, Python, Flask, SQLAlchemy, Alembic, PostgreSQL, Material-UI)

[Link](#) | [GitHub](#)

Create, save, and display map information and running statistics

- Switched between Python and JavaScript on a regular basis, tracking information across every step of a full-stack application through two programming languages, from a Redux store to a PostgreSQL database, to build features
- Learned to utilize Mapbox GL to display interactive maps in React and store latitude and longitude coordinates and directions from the map service in the application's database to save and display routes on a map
- Adapted RESTful server API and relational database design principles previously used in JavaScript to Python, designing endpoints in Flask and using SQLAlchemy and Alembic to create and update a database
- Collaborated with a team using Git source control and GitHub to share code with team members, successfully resolving any code conflicts to continue to make progress

Chart Your Cash (React.js, JavaScript, Express, Node.js, MongoDB, Mongoose, Material-UI)

[Link](#) | [GitHub](#)

Make financial plans on an interactive graph that updates in response to user input

- Synthesized newly-entered data with preexisting data based on user input to update information in MongoDB collections and a React Context to save and display changing numerical data over time on an interactive line graph
- Converted knowledge of relational databases design to a non-relational NoSQL MongoDB database to store and retrieve data for a full-stack application, successfully incorporating an unfamiliar technology into an application without issue
- Combined functionality of two separate third-party libraries, React DnD and React-Vis, to transmit information between draggable and charting React components to give the user a quick and easy way to look at specific information

DisChat (JavaScript, Express, WebSockets, Sequelize, Node, PostgreSQL)

[Link](#) |

[GitHub](#)

Chat application with multiple rooms within channels

- Coordinated web socket activity between a server and multiple clients across 9 custom Socket.IO events to instantly update the page without reloading depending on which user performed the action, making a well-functioning chat application
- Built an Express server in Node according to RESTful API principles to facilitate HTTP communication, making an AJAX web application based on sending, receiving, and displaying data stored in a PostgreSQL relational database
- Controlled the state of a web application using JavaScript without relying on a framework or library's state management tools, solving any problems that arose to create interactive HTML elements

EDUCATION

App Academy - Full-time, 6-month intensive curriculum in software engineering focused on web development

July 2020

Rutgers, The State University of New Jersey

Bachelor of Arts in Cell Biology and Neuroscience

New Brunswick, New Jersey

Class of 2019