

# Ted Chen

## Web Developer

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US Citizen

## SKILLS

### Languages

- ❖ Javascript
- ❖ Typescript
- ❖ HTML
- ❖ CSS/SASS

### Frameworks

- Express
- Material UI
- UI-Kitten

### Libraries

- React
- React-Native
- Redux
- Chakra-UI
- Styled-components
- Tailwind CSS
- Three.js
- React-query
- RN-Reanimated

### Others

Node, Git, Expo, JIRA,  
Heroku, PostgreSQL,  
MongoDB

## EDUCATION

### Class of 2018

Rutgers University  
BA in Biology  
3.2 GPA

## Web Development Projects

### Sheaves - [github.com/House-on-a-Rock/tjc-scheduling-app](https://github.com/House-on-a-Rock/tjc-scheduling-app)

Scheduling web app designed to streamline the process of creating and distributing tailored schedules. Users are able to assign duties to workers based on worker role and availability.

- Developed a scheduling table with draggable rows, collapsible row groups, and editable cells. These cells update their status based on inputs made elsewhere in the table, and notify the user when conflicts are made throughout the table. Overcame responsiveness and rerendering issues that stemmed from a large table with over 100+ cells
- Abstracted data fetching through custom hooks that leveraged React-query's query functions, and created secure RESTful api endpoints using sequelize to perform CRUD operations on relational database objects
- Reviewed git pull requests and responded to reviews of my own pull requests, communicated issues and tracked ticket progress using JIRA.

Stack: React, Node, Express, Sequelize, Material-UI, React-query

### Sheaves mobile - [github.com/House-on-a-Rock/tjc-scheduling-mobile](https://github.com/House-on-a-Rock/tjc-scheduling-mobile)

The Sheaves companion mobile app. Users are alerted of new assignments via push notifications, and can then view and manage their assignments. Users can request to swap duties with other users.

- Worked with the team's UX designer to collaborate on Figma hi-fidelity designs. Migrated said designs to create the user interface with powerful libraries like UI-Kitten. Used Redux to manage global state and data fetching, handled iOS and Android push notifications using Expo.
- Made custom swipe animations using React-Native-Reanimated, and ensured responsiveness of the application by optimizing the JS and UI thread.

Stack: React-Native, Expo, Ui-kitten, Redux, Reanimated, React-Navigation

### JSP Rune Prices - [github.com/CedThen/jspRunePrices](https://github.com/CedThen/jspRunePrices)

Application that scrapes Diablo 2 chat forums and converts results into easily consumed data displayed through a stock-exchange style interface.

- Wrote Python script using the BeautifulSoup library that searches through the last 100 forum posts, once an hour. Data is then stored in a MongoDB using Mongoose ODM, and then served using Express
- Developed a mobile-responsive frontend using ChakraUI's theming capabilities, and used ChartJS components for charting prices over time.

Stack: React, Node, Express, ChakraUI, ChartJS, Mongoose, MongoDB, Heroku

## Professional Experience

### Lab Technician | Zeus Scientific 2018-2019

Produced 100+ Multiplex Bead Assay components and kits in accordance with SOPs, maintained and operated laboratory equipment, performed daily routine performance verification and weekly equipment calibration of lab instruments.

