

## > projects

### VolunTier

- A platform that connects local nonprofits with potential volunteers passionate about their causes
- Engineered with a stack composed of React, Google Firebase, Cypress, and Google Maps over a six-week time frame with a team of five full stack developers and two user experience engineers
- Accomplished the incorporation of recurring events by implementing algorithms and logic which allowed nonprofits to customize their events
- Refactored forms to be modular, multi-step forms for better user experience and easier testing
- Utilized React's Context API along with its useReducer hook to create a Redux-like system of actions and reducers

### Python Quest

- A multi-user dungeon game allowing users to interact and communicate while escaping a dungeon
- Designed with a stack composed of React Hooks, PusherJS, and Django over four days with a team of three full stack developers
- Programmed a secure login and RESTful API end points with Django
- Implemented PusherJS in order to subscribe players to broadcast channels in order to send and receive messages

### Potluck Planner

- A platform allowing users to efficiently plan and organize potluck meals with friends and family
- Developed with a stack composed of React Hooks, Express, and Material UI over four days with a team of four full stack developers
- Solely responsible for handling client-side security with JSON Web Tokens and managing the global state with custom hooks
- Maintained unit testing by implementing react-testing-library to follow appropriate testing standards

## > employment

### Edgewater High School

#### *Chemistry Instructor*

Orlando, FL  
2012 to 2015

- Authored the county wide chemistry exam and documented lesson plans for other teachers to implement
- Attained the highest pass rate in the district for the Advanced Placement Chemistry exam
- Developed curriculum and lab experiences for students with a range of learning capabilities and learning styles

#### *Cross Country and Track Coach*

Orlando, FL  
2012 to 2015

- Fostered a hard-working, team-oriented culture that led to county, district, and regional championships
- Supervised six assistant coaches and sixty athletes daily for practices and competition

#### *Asst. Athletic Director*

Orlando, FL  
2013 to 2015

- Orchestrated department wide fundraising of over \$100,000
- Coordinated supervision of facility usage and planning of travel for all varsity teams

## > skills

**Proficient:** JavaScript, Python, HTML, CSS, React, React Hooks, Redux, Gatsby, Git, Express, Jest, Knex, Formik, Algorithms, Data Structures, AJAX, RESTful APIs

**Familiar:** Node.js, SQL, React-testing, Flask, Google Firestore, Material UI, PostgreSQL, GraphQL

## > education

### Lambda School

Computer Science and Software Engineering Academy that provides an immersive hands-on curriculum with a focus on computer science and full stack web development

### Brown University

B.S. Biochemistry and Molecular Biology

## > activities

### Brown University Cross Country, Indoor and Outdoor Track

- Captain 2011 - 2012
- Honored with the 2011 and 2010 Justin Casserly Unsung Hero Award
- Honored with the 2009 Coach's Award

### Brown University Research Assistant

- Researched mechanisms of antibiotic production and antibiotic resistance in Streptomyces bacteria