Kevin O'Brien

845-239-7805 | kpobrien@buffalo.edu | GitHub | LinkedIn | Portfolio

Full Stack software developer with a bachelor of arts in Physics, possessing a diverse and robust skill set building web apps. A natural problem solver, and innovative thinker, with a unique approach to development and design. Years of experience working with data analytics in MatLab, and Microsoft Excel. Additionally, a musician who values creative pursuits.

TECHNICAL SKILLS

- Ruby/Rails | JavaScript | Sinatra | React/Redux | HTML5 | Python 3 | CSS | SQL/PostgreSQL/SQLite |
 Git | LaTeX | Matlab | Microsoft Excel | Agile (Scrum) | Mathematica | Linux | iOS | Windows
- High level mathematical and problem solving skills including proficiency in calculus, differential equations, differential geometry, and solving of classical and quantum mechanical physical systems

SOFTWARE PROJECTS

Track Notes - GitHub | Demo

A react/redux client with a rails API service for music producers to provide notes for works in progress.

- Utilizes container components and presentational components to store state, and display stateless information respectively
- Employs RESTful routing in new, index, and show pages
- Uses Redux middleware to respond to and modify state change

Equation Sheet Generator - GitHub | Demo

A JavaScript app with a rails API intended for students and teachers to generate a dynamic sheet of formulas to be used during exams.

- Fetches data via multiple AJAX requests, with backend rendering in JSON format
- Utilizes serialization to convert API info to JSON
- Uses Javascript to render JSON on index page

SymbioSound - GitHub | Demo

A rails web application that serves as a collaborative music network for creators to interact with each other with the goal of completing projects, or providing instrumental services.

- Validates data and provides error codes without saving incorrect data
- Manages data through complex forms and RESTful routes
- Authenticates users with third-party sites (i.e. Facebook)

EDUCATION

Flatiron School - New York, NY

2019

An immersive, highly intensive web development program in JavaScript, React, and Ruby on Rails
 State University of New York at Buffalo - Buffalo, NY

Bachelor of Arts in Physics

Graduated Magna Cum Laude, graduate level and multiple honors courses

PHYSICS PROJECTS

Extensively analyzed and interpreted data of physical systems, details can be found in portfolio above.

Pulsed NMR - MatLab, LaTeX | Optical Spectroscopy - MatLab, LaTeX | Hall Effect - MatLab, LaTeX

EMPLOYMENT HISTORY

Remington Tavern Seafood Exchange, Buffalo, New York – Restaurant Support Staff

2019-Present

- Engaged in building new and lasting relationships with customers through friendly and helpful service
- Performed above and beyond expectations in dedicating efforts towards facilitating an excellent restaurant experience
- Displayed excellent teamwork and adaptability through working with a large, dynamic group of coworkers

James Perse, Woodbury, New York – Sales Team Member

2018-2019

- Provided excellent customer service, and provided sales through demonstrating product value
- Received product, stocked and organized merchandise, as well as insuring tidiness in the store
- Took inventory of product and aided in loss prevention

Top Shelf Sound, Goshen, New York - Founder

2018-Present

- Music production and software startup
- Participated in building artist brands, networking with social media, and audio recording and production