# Kevin Mathews

9255778029 kevinsebastianmathews@gmail.com LinkedIn Github

## SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku,Firebase

## PROJECTS

Kevflix | *(React/Redux, Rails 5, AWS, ActionCable/Websockets)* **live** | **github**

A video content platform clone of the site, Netflix. It is made with Redux/ React.js for the front end and Rails/PostgreSQL for the back end.

- Using action API's on the front end, users are able to add, edit and delete lists containing their favorite titles.
- Using a combination of CSS and Javascript, a movie preview function was created which allows movie trailers to enlarge, preview and repeat upon mouse hover.
- Implemented front and back end user authentication in which an email and hashed password of certain length are checked, stored and secured with BCrypt in order to sign up and access the site.
- Using profile constructors with react components, a profile's state, active status, deletion and creation can all be managed.

Vodkabulary | *(MERN Stack)* **live** | **github**

A website that allows users to create, edit , share, rate and favorite the wide variety of drink combinations posted on the site.

- Through review components and actions coded on the front end,review functionality was constructed with crud functions and the ability to attach image files alongside it.
- Implemented a search functionality using axios in which a search component retrieves results from the drinks api by comparing the search term with words present in a drink title or recipe.

DoomSlayer | *(Javascript, HTML Canvas)* **live** | **github**

DoomSlayer is a game composed of 3 difficulty modes in which the player is placed in a marksman scenario in which the score is increased by accurately shooting enemies and achieving the highest score before either targets are missed or bullets are depleted.

- Javascript functions were implemented to check enemy presence, movement and removal for smooth level transitions.
- Accuracy, enemy count and enemy presence are calculated through separate event handler functions.
- Implemented a shoot feature in which coordinates are saved on mouse movement events and an interval is set to control gun rate of fire.
- Designed framework in which the score instance variable is incremented by 100 for every enemy defeated from mouse contact.

## EXPERIENCE

**Mphasis, San Francisco-Software Engineer** (Nov 2021- Present)

- Essential in developing, testing, and maintaining web and desktop-based business applications built on Microsoft technologies.
- Conducted collection and documentation of user's requirements, development of user stories, and estimates.
- Designed, developed, and unit test applications in accordance with established standards.

**Zyngl Inc, San Francisco-Software Engineer Intern** (June 2020-December 2020)

- Evaluated, analyzed and converted the current frontend application to a React application in order to increase interactivity.
- Worked alongside the frontend team to create react applications which were deployed on AWS.
- Enhanced the web application significantly to increase traffic to the website.
- Conducted data migrations with RoR and ActiveRecord.
- Played an integral part in end to end application development using RoR in the backend and React on the front end.

**Techfort LLC, Dallas-Software Engineer Intern** (November 2019 - May 2020)

- Coordinated with the engineering team and wrote unit tests for the backend rails application.
- Integrated data migrations with RoR and ActiveRecord.
- Performed key improvements upon the interactivity of the front end application.

*Geisinger Commonwealth School of Medicine*

**An Artificial Intelligence Tool to Aid in the Management of Mechanical Ventilation: a Proof-of-Concept Study** (Sept 2018-Mar 2019)

- Instrumental in research and evaluation on the efficacy of an artificial intelligence tool as a supplementary tool in management of mechanical ventilation.
- Queried the Multi-parameter Intelligent Monitoring for Intensive Care III (MIMIC III), a database of patients admitted to the Beth Israel Deaconess Medical Center ICUs in Boston in order to gather data on ventilator standards.
- Data was visualized using Microsoft Power BI to graph and record the data in Excel from patients and ventilator standards.

**Saratoga Orthodontist, Saratoga-Dental Receptionist** (October 2018 - September 2019)

- Efficiently organized patient records and history
- Scheduled patient appointments and reschedulings
- Properly managed patient billings and fees

## EDUCATION

**App Academy** (Jan 2021 - May 2021)
**Geisinger Commonwealth School of Medicine** (Aug 2018- Jun 2019) - M.S. Biomedical Sciences
**University of California, Santa Barbara** (Sep 2013-Mar 2018) - B.A Biological Sciences