Khoa Nguyen

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Skills

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

Projects

Tiamat (HTML5, JavaScript, CSS3, Webpack)   live site | github

Turn-based, team building RPG. Battle your way through different encounters and strengthen your companions to defeat the mighty dragon, Tiamat.

- Leveraged O.O.P. principles to create classes for different characters with different abilities, thus providing more depths and diversifying impactful choices.
- Leveraged the DOM's onclick event listeners to dictate the course of the game by circling through different game stages depending on the attack/ability chosen.
- Create a single game object that houses all current game information in order to pass along to the needed classes in order to reduce unnecessary data.

Etchy (JavaScript, React / Redux, Ruby on Rails, postgreSQL, CSS3, AWS, Heroku, Webpack)   live site | github

Etchy (inspired by Etsy), an online shopping website of new and artistic items for sale.

- Utilized PostgreSQL relational database to store all information.
- Leveraged Ruby on Rails associations and Amazon Web Service (AWS) to store and assign images to products, for easy and robust remote storage of data and smooth browsing experience.
- Utilized mapStateToProps to pass necessary state slices from redux store to component to reduce AJAX calls.
- Implemented check-out feature that can add/delete items from the current user's cart as well as persisting even when the user logs out.
- Implemented search functionality that takes the user's input and passes it to the back-end through an ajax call thus filtering and returning the relevant information.

Vodkabulary (JavaScript, CSS3, Webpack, Mongoose, MongoDB, Node.js, Heroku)   live site | github

Vodkabulary is a social platform for users to create, edit, share, rate and favorite the wide variety of drink combinations.

- Created a flexible seed file that allows other developers to easily add seeds to the appropriate resource, leading to a richer user experience.
- Stored uploaded images on Amazon Web Services S3 (AWS) using the AWS, and Multer Node packages to ensure a robust photo uploading experience.
- Built a secure user authentication system, utilizing Bcrypt to hash and salt passwords, strengthening protection of user data.
- Utilized Github to assign tasks and ensure work quality and completion promptly.

Experience

Software Engineer Intern | 2022 - Current | San Francisco, CA

App Academy

- Guide web developer student applicants through technical interviews while assessing algorithmic thinking and providing constructive feedback.
- Mentor student applicants on technical subjects, languages, and scripting, such as JavaScript, HTML, CSS, Ubuntu Virtual Machine, etc...
- Conduct technical screens of coding bootcamp applicants and assess algorithmic aptitude in various languages, including JavaScript, Ruby, and Python.

Education

App Academy | Spring 2021 | San Francisco, CA

Immersive 1000-hrs software development course with focus on full stack web development.