

Khoa Nguyen

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Santa Ana, CA

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

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.

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.

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.

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.