

Christopher Nguyen

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[Portfolio](#)

[Linkedin](#)

[Github](#)

SKILLS React, Redux, JavaScript, Express.js, Ruby, Ruby on Rails, Node.js, PostgreSQL, HTML5, CSS, jQuery, MongoDB, AWS, D3.js, RESTful API, AJAX, Git, Heroku, Webpack

PROJECTS

Etzieees | Ruby on Rails | PostgreSQL | React | Redux

[live](#) | [github](#)

Tribute to the E-commerce website Etsy.com, which focuses on handmade or vintage items and craft supplies

- Mobilized user, product, and shopping cart CRUD features through an integrated customized database using Active Record and PostgreSQL for higher reliability and stability
- Linked Rails backend to AWS S3 for image storage and management to reduce server load and allow scalability of the app
- Engineered advanced searching and filtering features using Redux for a user-friendly UI and faster product lookup
- Incorporated user's credentials using BCrypt for the backend and custom React-Router higher order components for front-end to securely handle user's authentication
- Implemented user autonomy by linking their products to their account, allowing for fast and efficient product editing and deletion

Monster Mayhem | MongoDB | Express.js | React | Redux | Node.js

[live](#) | [github](#)

A team-built online multiplayer turn-based action game featuring classic horror film characters

- Orchestrated backend with MongoDB and Mongoose ODM to map results of database queries onto JavaScript objects for easier manipulation of data
- Ensured user privacy through frontend and backend authentication by encrypting user details via JSON Web token to be sent over HTTP using Axios to be decrypted via the JWT-Decode library on the frontend allowing for exceptional performance and smoother user experience
- Integrated popup modals and designed layouts components for a clean, efficient, and easily operating web game application
- Constructed model level validations to verify inclusion of email and password upon sign up or login employing the Validator.js library for concise and manageable code

MoneyTree | JavaScript | HTML5 | CSS | D3.js

[live](#) | [github](#)

Data visualization application of average Software Engineer salaries across popular metropolitan cities in the United States

- Incorporated custom movement, gravity, and object collision to provide a physics engine that allows bubbles in the application to interact with each other
- Implemented DOM manipulation via D3 selections to create an alluring seamless experience for users to retrieve information
- Designed a custom filter function using JavaScript to refine usability by classifying each bubble by cities

EXPERIENCE

Clinical Laboratory Associate

May 2018 - Oct 2019

Guardant Health

Redwood City, CA

- Created and revised Standard Operating Procedures (SOPs) to accurately reflect the current LUNAR team workflow
- Conducted automated DNA extraction, library preparation, enrichment, and sequencing of research samples
- Ensured LUNAR's Assay Control Software UI is bug-free and conveyed improvements to the Software Engineer team
- Trained new hired Clinical Laboratory Scientists and Clinical Laboratory Associates on the LUNAR assay workflow

Clinical Laboratory Assistant, Accessioning

Oct 2015 - Oct 2017

Counsyl

South San Francisco, CA

- Headed the Saturday Accessioning shift by delegating accessioning tasks
- Oversaw Accessioning's sample storage management, purging, and archiving responsibilities

EDUCATION

App Academy - 1000+ hours immersive software development course with focus on full stack web development

Winter 2019

San Francisco State University - B.S. Kinesiology

2010 - 2015