Christopher Nguyen

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SKILLS   React, Redux, JavaScript, Python, Node.js, Express.js, Ruby, Ruby on Rails, 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

- Implemented user, product, and shopping cart CRUD features through an integrated customized database using Active Record and PostgreSQL for greater reliability and stability
- Linked Rails backend to AWS S3 for image storage and management to reduce server load and allow scalability
- Created custom search filters for easier navigation and product lookup to enhance user experience
- Built higher order components with React-Router and encrypted user credentials using BCrypt for a secure and seamless user authentication interface
- Achieved user autonomy by linking user's products to their account allowing 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

- Led the team in backend development utilizing MongoDB and Mongoose ODM to map results of database queries onto JavaScript objects for easier data manipulation
- Leveraged JSON Web Tokens for stateless user authentication when users create a team and join a game
- Designed popup modals and integrated layout components for a clean, efficient, and easily operating web game application
- Constructed validations at the model level by leveraging the Validator.js library to ensure the inclusion of email and password upon user sign-up or login

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 in Javascript that classifies each bubble by city for easier data access and increased data visibility

EXPERIENCE

Clinical Laboratory Associate | Guardant Health | May 2018 - Oct 2019

- Created and revised Standard Operating Procedures (SOPs) to accurately reflect the LUNAR assay for detecting early-stage cancer and recurrence of diseases
- Conducted automated DNA extraction, library preparation, enrichment, and sequencing of research samples
- Conveyed improvements to the Software Engineer team to ensure LUNAR's Assay Control Software was bug-free
- Trained new hired Clinical Laboratory Scientists and Clinical Laboratory Associates on the LUNAR assay workflow

Clinical Laboratory Associate | Counsyl | Oct 2015 - Oct 2017

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

EDUCATION

App Academy - *Immersive software development course with focus on full stack web development*   2020
San Francisco State University - *B.S. Kinesiology*   2015