Chris **Nguyen**

(408) 649-9207   cdnguyen24@gmail.com   **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, Github, 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 product's and user's image storage and management to reduce server load and allow the application to scale gracefully
- 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 |React | Redux | Node.js   **live** | **github**
A team-built online multiplayer turn-based action game featuring classic horror film characters
- Orchestrated the application backend development utilizing MongoDB and Mongoose ODM to map results of database queries onto JavaScript objects for easier manipulation of data to be returned to the frontend
- Ensured user privacy through frontend and backend authentication by encrypting user details via the JSON Webtoken library 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 for 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 functions to provide a physics engine that allows the 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 bubbles by cities

EXPERIENCE

Clinical Laboratory Associate   May 2018 - Oct 2019
Guardant Health   *Redwood City, CA*
- Created and revised Standard Operating Procedures (SOPs) and maintenance forms to accurately reflect the current LUNAR team workflow while adhering to Good Documentation Practice(GDP) and Good Clinical Practice (GCP)
- Conducted automated DNA extraction, library preparation, enrichment, and sequencing of research samples for Clinical Research and Technological Development
- Ensured LUNAR's Assay Control Software (ACS) UI is bug-free and conveyed improvements to the Bioinformatic Software Engineer team to reflect the assay workflow
- Trained new hired Clinical Laboratory Scientists (CLSs) and Clinical Laboratory Associates (CLAs) on the LUNAR assay workflow and equipment maintenances
- Informed the team on health and safety updates as the LUNAR's safety representative for the Lab Safety Committee

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
- Led all 15 Accessioners with the fastest accessioning time for Blood samples and 2nd in Informed Pregnancy Samples (IPS), while maintaining the fewest errors committed out of the team with an accuracy rate of 83% higher than the average rate

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