Justin Lieu

(661) 400-5812   justinlieu06@gmail.com   Portfolio   LinkedIn   Github   San Francisco / Bay Area

SKILLS JavaScript, React.js, Redux.js, Ruby, Ruby on Rails, MongoDB, HTML5, CSS3, Git, SQL, jQuery, Java, C, C++, C#, Bash, Scala

EDUCATION

Software Engineering Certification
App Academy | San Francisco, CA | June 2019 - Oct 2019

Bachelor of Science in Computer Science
Santa Clara University | Santa Clara, CA | Sept 2017 - June 2019

Specialized Coursework: Computer Networks | Intro to Info Storage | Programming Languages | Cryptography, Computational Complexity | Theory Automata & Languages I | Computer Security | Operating Systems | Theory of Algorithms | Intro to Embedded Systems | Abstract Data Types & Structures | Intro to Logic Design | Advanced Programming

PROJECTS

ViewTube (Ruby on Rails, PostgreSQL, React, Redux, CSS, Webpack, AWS, Heroku)   Live Site | Github
A single page YouTube clone where users can upload, watch, comment on, like, dislike, delete, edit, and search for videos
- Incorporated scalable object storage through image and video hosting that was integrated via AWS S3 and Rails ActiveStorage culminating in vast user frontend contributions
- Employed Active Record comparison methods to render relevant videos for search class component resulting in expeditious table lookups
- Protected video delete and updating functionality by referencing video authors via Postgres database

TravelPack (MongoDB, Express, React, Redux, Node.js, CSS, AWS, Heroku)   Live Site | Github
A comprehensive MERN stack travel app built in team of four while utilizing Git workflow and meticulous, safe branching
- Achieved user backend authentication utilizing BCrypt for password encryption, ensuring users can only access Mongoose models embedded under their confidential group
- Formulated Node Express framework with Multer to upload files to AWS S3 concluding in photo sharing services for users
- Established multiple subdocuments in pack schema that are updated via MongoDB operators leading to robust and dynamic app structure with simplified unit testing potential

Coding Wizard (HTML, CSS, JavaScript)   Live Site | Github
A 2d 16-bit role playing single player game
- Created tile-based, object-oriented game including interactive map, enemy entities, and vector calculated projectiles
- Implemented life and scoring system where variables are manipulated by collision detection algorithm that calculates cartesian coordinates of all entities in order to provide users with a more captivating gameplay experience
- Developed map with HTML canvas that utilizes adjustable viewport to produce scrollable and scalable game mechanics

EXPERIENCE

Residence Hall Community Desk Assistant
Santa Clara University   Sept 2018 - June 2019
- Led safety and social events using collateral tools and combined budget to promote positive community relationships
- Actively provided equipment and postal distribution along with optimized residential support including card reprogramming for over 600 students resulting in improved populace satisfaction

Media Services Specialist
Santa Clara University   April 2018 - April 2019
- Managed coworkers and oversaw clients in usage of AV, multimedia, and computer equipment to ensure comprehensive digital media service and support while coordinating with team of 50

Teacher Assistant
Santa Clara Adult Education   Jan 2018 - March 2018
- Taught STEM subjects including Algebra and Biology in classroom environment to underprivileged minorities and adults with intellectual disabilities culminating in significant quantities of students acquiring high school diplomas