

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

EXPERIENCE

Data Analyst

[WaterGuru](#)

Nov 2020 - Current

- Queried, organized, and cleaned data from Amazon Aurora, Woo Commerce, and other databases via Python and SQL to analyze and present on company's products and customers, and directly influence product design, testing, and budgeting
- Designed and developed a SPA with interactive, time series Plotly charts pulling data from a custom Postgresql database in order to keep heads of company consistently informed on real-time, analytical reports and relevant product statistics
- Collaborated with heads of company, cloud engineers, and material engineers to identify and resolve product design flaws

Full Stack Web Developer

[Tutoria](#)

Oct 2020 - Current

- Collaborated with remote, international team of full stack developers in an agile environment to bolster legacy codebase culminating in efficient, education environment for over 200 clients and volunteers
- Updated JSON files, React components, and SQL database to provide accurate language translation features for users

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

Berry Bot (Node.js, CSS, Botkit, Heroku)

[Live Site](#) | [Github](#)

An online, interactive chatbot that presents chosen data about creators and converses with users

- Developed Botkit middleware that reads user selected JSON files containing personalized developer information resulting in scalable infrastructure that ensures a dynamic user experience
- Applied real-time websocket connections and asynchronous webhooks to respond to messages and launch conversations
- Cached user information into controller storage memory to save user preferences and choices in between sessions