

Isaac Preston

Software Engineer

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TECHNICAL SKILLS

Javascript, HTML, CSS, Adobe Creative Cloud, jQuery, React.js, Redux, Angular.js, Vue.js, Backbone.js, Node.js, Express.js, Three.js, WebGL, MySQL, Bookshelf.js, MongoDB, Mongoose ORM, Socket.io, Amazon Web Services, Webpack, Git Workflow, GitHub

PROFESSIONAL EXPERIENCE

ISAACXPRESTON.COM

Freelance Software Engineer

San Francisco, CA

March 2016-Present

- Developed multiple full-stack web applications from concept to deployment in rapid timeframes
- Worked closely with variety of clients, including small businesses and individuals, ensuring customer end needs were met and/or exceeded

RECENT PROJECTS

YT3D

3D audio visualiser and video converter

February 2017

- Developed routing in Node.js to seamlessly convert and store .mp4 files
- Utilized Three.js to design customizable 3D animations
- Persisted data to AWS S3 storage for easy access from client-side application
- Implemented visualizing features by synchronizing Three.js models with frequency data from video playback

PERSONALITYDATA.CO

Interactive 3D data modeling from personality tests

January - February 2017

- Utilized WebGL with Three.js to dynamically render SVG images to 3D models
- Developed methods to color-coordinate and determine display size of models based on queried data
- Incorporated Tween.js with Three.js camera components to design interactive UI/UX

ALIKE ME

Social Media platform connecting users based on similar personality and interests

November 2016 - January 2017

- Integrated real time messaging and notification features into React/Redux framework using Socket.io and PubNub
- Utilized MySQL/Bookshelf.js database to efficiently manage user data and personality scores
- Leveraged Twitter and IBM Watson APIs to implement personality scoring features
- Set up and maintained Heroku production environment for continuous deployment

SONGSPACE

Music sharing and upload application

October - December 2016

- Built server-side authentication using Bcrypt and Passport.js
- Constructed MongoDB database using Mongoose ORM to handle user data and file uploads