

Isaac Preston

Software Engineer

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TECHNICAL SKILLS

Javascript, HTML5, CSS3, Bootstrap, jQuery, React.js, Redux, Angular.js, Vue.js, Vuex, Backbone.js, Node.js, Express.js, Three.js, MySQL, Bookshelf.js, MongoDB, Mongoose ORM, Socket.io, PubNub, Webpack, Git, Github, Adobe Photoshop, Heroku

SOFTWARE DEVELOPMENT EXPERIENCE

16 PERSONALITY DATA

San Francisco, CA - 2017

Personality-data.herokuapp.com

Interactive 3D data modeling from personality tests

- Utilized Three.js library to dynamically render SVG files to 3D models
- Developed algorithms to color coordinate and determine display size of models based on data
- Incorporated Tween.js with Three.js camera controls to design responsive UI

ALIKE ME

San Francisco, CA - 2017

Alikeme.herokuapp.com

Social Media platform connecting users based on similar personality and interests

- Leveraged Twitter and IBM Watson APIs to implement personality scoring features
- 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
- Set up and maintained Heroku production environment for continuous deployment

SONGSPACE

San Francisco, CA - 2016

3D music visualiser and upload application

- Utilized Three.js library to design customizable, interactive 3D animations
- Implemented audio visualizing feature by synchronizing Three.js animations with HTML5 API playback
- Built server-side authentication using Bcrypt and Passport.js
- Constructed MongoDB database using Mongoose ORM to handle user data and file uploads

PROFESSIONAL EXPERIENCE

ROXBOROUGH SEAFOOD

Philadelphia, PA - 2014 -2016

Kitchen Manager

- Managed 10 person kitchen team in high volume restaurant, averaging 300 customers per night
- Prepared variety of hot and cold dishes, ensuring highest quality of service and customer satisfaction at all times