

# Brian Yao

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**Portfolio:** <https://brian-yao.com> | [github.com/brian-yao](https://github.com/brian-yao)

## SUMMARY

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- > Over 4 years of professional experience in front-end development using HTML/HTML5, CSS/CSS3, JavaScript, TypeScript, React, React Router, Redux, jQuery, Express, Node.js, JSON, and various other web development tools to build cutting-edge web applications.
- > Extensive experience in implementing components using React life-cycle architecture, as well as using React-redux to handle real-time data and Redux-Thunk for API calls and async operations. Proficient with configuring Redux Toolkit and debugging with Redux devtools extension.
- > Deep understanding of routing patterns and fundamental web concepts including HTTP requests and methods.
- > Demonstrated proficiency in creating interactive applications with integration of web services by utilizing RESTful API and building web service APIs compliant with REST architecture.
- > Prior experience in dealing with Oracle, MySQL, and MongoDB databases.
- > Professionalism in implementing Enterprise Applications with a full life cycle of software development using Agile/Scrum or Waterfall methods.
- > Internship experience in Data Science/Machine Learning.
- > Proficiency in front-end Unit Testing with Jest and Enzyme.

## TECHNICAL SKILLS

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<b>Web Technology:</b>	JavaScript, CSS3, HTML5, jQuery, React, Node.js, GraphQL, Typescript
<b>JS Frameworks:</b>	Backbone.js, Next.js, Gatsby
<b>UI and Design:</b>	Material UI, Materialize, Sass, Bootstrap, Styled Components, Tailwind
<b>Backend / Scripting:</b>	Scala, Python, PHP, Java
<b>Databases:</b>	MySQL, MongoDB, Oracle
<b>Testing Suites:</b>	Jest, Enzyme, React Testing Library, Selenium
<b>Deployment:</b>	Travis CI, AWS, Docker, NGINX
<b>Version Control:</b>	Git, Bitbucket, SVN
<b>Methodologies:</b>	Agile Scrum, TDD, BDD, Waterfall

## WORK EXPERIENCE

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<b>Cedar</b> <i>React Developer</i>	December 2020 - Present New York, NY
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**Project:** Cedar Pay

- Responsible for creating efficient design and developing UI for the web application using HTML5, CSS3, JavaScript, Node.js, React, etc.
- Successfully managed the global state using Redux for the web application.
- Optimized applications for maximum speed and scalability.
- Created reusable styled components using CSS preprocessors like SCSS.
- Retrieved data from Back-End asynchronously by using Redux-Thunk middleware.
- Managed global state by using Redux and persisted certain parts of the state to the device via Redux Persist.
- Involved in daily SCRUM meetings to keep track of the ongoing project status and issues.
- Implemented payment feature using Stripe api to handle secure transactions.

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**K Health**  
*Front-End Developer*

April 2019 - September 2020  
New York, NY

**Project:** Primary Care Management Platform

- Actively participated in the design of web architecture layout for an SPA using HTML5, CSS3, JavaScript, React framework, Materialize, etc.
- Created beautiful web interfaces by following advanced UI/UX guidelines using modern web development tech and tools.
- Designed UI to handle concurrent resource modification.
- Implemented dynamic page elements and created custom forms to collect and validate data from the user using HTML and React.
- Developed page layouts, navigation bars, animation buttons, and icons.
- Used SVN version control to track and maintain the different versions of the application.
- Migrated Waterfall to Agile methodology and effectively took part in Daily Scrum meetings to deliver the tasks and project within time.

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**Policygenius**  
*Front-End Developer*

January 2018 - February 2019  
New York, NY

**Project:** Online Insurance Quoting Application

- Developed front-end applications and user interface using React.
- Ensured the technical feasibility of UI/UX designs and turned designs into maintainable and scalable codes.
- Created Axios HTTP requests and interceptors in Redux-Thunk middleware to consume REST APIs and store data by dispatching redux actions, subscribing data, and connecting it to components from Redux store to render various UI gadgets.
- Fulfilled application authentication and dynamic routing with React Router, and OAuth 2.0.
- Incorporated Material UI as well as other third-party UI library modules into the application.
- Tested the application by creating unit test cases using Jest and achieving full test coverage

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**Comcast NBCUniversal**  
*Data Science Intern*

June 2017 - November 2017  
Philadelphia, PA

**Project:** Predictive Modeling & Data Visualization

- Developed a frontend visualization of predictive model results using Python flask framework.
- Engineered and tested new model features using Hive SQL database and documented those features on Excel.
- Collaborated with other intern on NLP project to conduct sentiment analysis on vocal tone using data from customer calls in order to determine whether or not the call was beneficial to customer.
- Developed a ML model to predict customer churn rate based on video subscription tier.

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## PERSONAL PROJECTS

**React Movie List** - <https://brian-movie-app.netlify.app/>

- Movie list app built using React.js. Data is fetched from The Movie Database api. Displays a list of recently popular movies and on hover, displays brief synopsis of the movie.

**React Video Game Hub** - <https://brian-react-gaming.netlify.app/>

- This app allows user to view upcoming, popular, and newly released video games. Manages global state using Redux and dynamically creates page routes using React Router v5. Redux thunk middleware is used to handle async api calls. Styling was achieved with styled-components and page animations were implemented with Framer-motion.