

## CONTACT

Portfolio   
[henry-bi.com](http://henry-bi.com)

Github   
[github.com/honghaobi](https://github.com/honghaobi)

LinkedIn   
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# HENRY BI

## Front-End Engineer

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## EDUCATION

**Galvanize | 2016**  
Full Stack Web Development

**Code Fellows | 2016**  
Intermediate Software  
Development

**University of Washington | 2010**  
B.A. in Architecture

## EXPERTISE

### Programming Proficiency

JavaScript | TypeScript  
ReactJS | Redux  
AngularJS | VueJS  
Node.JS | Express  
RESTful APIs | GraphQL  
Jest | React Testing Library  
CSS | Canvas Animation  
SVG | D3.JS | Three.JS  
Web Accessibility  
PostgreSQL  
Bootstrap | Foundation  
Version Control (Git)  
Agile | Scrum Methodologies

### Design Proficiency

UI | UX Design  
Graphic Design  
Adobe Figma  
Adobe Photoshop  
Adobe Illustrator  
Adobe InDesign  
Sketch | Adobe XD | Figma  
Google Sketchup | AutoCad  
Architectural | 3D Design

## PROFILE

I am a front-end developer with 6 years experience in React and a strong background in design. I am committed to collaborate with cross-functional teams to design and develop user-centric web applications. I look forward to share my expertise on complex technical issues and provide guidance on code standards, design patterns, development best practices and UI/UX concepts.

## EXPERIENCE

### ClearVoice | Front-End Engineer | 2020 - Current

- Design, develop, and maintain user-facing web application components that were optimized for speed, performance, and user experience.
- Led efforts and facilitated the implementation of Typescript.
- Worked closely with back-end engineers to integrate front-end components with REST and GraphQL APIs.
- Supported UI/UX team with creating wireframes, storyboards, prototypes and user flows as needed to effectively communicate interaction and design ideas.
- Contributed to finalizing migration from AngularJS 1.x to ReactJS.
- Created interfaces that are accessible and inclusive, followed best practices and industry standards for web accessibility.
- Implemented automated unit tests with Jest and React Testing Library.
- Mentored and provided technical guidance to junior developers.

### Ripl | Design Engineer/Web Developer | 2017 - 2020

- Developed the user-facing Ripl Desktop App using React.js and Redux.
- Designed and Implemented a feature that allows video in templates.
- Implemented server-side audio extraction and merging, video conversion, trimming and recording on Node.js using FFmpeg.
- Built reusable components, and optimized components for maximum performance across a vast array of web-capable devices and browsers.
- Utilized 2D Canvas and Three.js to create animated design templates.
- Implemented creative animation content to promote user's branding/products.
- Wrote Customized Javascript Library for Canvas/WebGL.
- Created wireframes, storyboards, user flows in Photoshop and AfterEffects to effectively communicate animation and design ideas.

### Prolaera | Front-End Web Development | 2016

- Migrated and refractored an Angular front-end codebase to a new bootstrap template. Creating rich UI experiences and leading UX responsibilities for new product development.
- Established and promoted design guidelines, best practices and standards.