Riley Litchfield

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Qualifications Profile

Enthusiastic and innovative professional with a sharp technical acumen, passion for front-end development, and project-based experience in web development, poised to leverage keen programing expertise within an Agile environment.

- Familiar with the entire web development process from design and development to testing and deployment. Well-versed in translating UX concepts into code, developing new user features, and building responsive pages. Skilled in crafting code for various web functions, testing the functionality of web apps, and tweaking the code to perfection.

- Basic knowledge of standard programming algorithms, data structures, design patterns, and object oriented software designs. Ability to design web-based user interfaces, develop interactive prototypes and mockups, and optimize user experiences using usability case studies, wireframes, and prototypes.

- Creative problem solver and dedicated team player with a 'can-do' attitude and proven ability to propel projects and teams to peak results while working with minimum supervision. Motivated to collaborate with designers, developers, clients, and other product stakeholders to enhance product features, functionality, and reliability.

- Capacity to work well under pressure, quickly learn job functions, and effectively handle a variety of tasks while remaining detail oriented. Strong communication, project management, and problem-solving skills. Excel in high-growth environments with tight deadlines and shifting priorities. Curiosity to learn new tools and technologies.

Core Technologies

Languages:	HTML5, CSS3, JavaScript (ES5 & ES6), JSON, SASS, SQL
Frameworks:	React.JS, Node.JS, Bootstrap, Materialize, Skeleton
Software & Tools	NPM, Babel, WebPack, Ajax, Git, GitHub, Chrome Dev Tools

Education

Associate of Science in Electrical Engineering (2017) | Lone Star College – Houston, Texas
Member: Society of Math and Engineering

Relevant Projects

- **Travel Agency Website:** Built a responsive website for travel agency by analyzing user requirements, planning user experience, creating appealing web content, and using BEM for scalability and efficiency.

- **Personal Portfolio:** Developed and maintained a responsive portfolio website leveraging SASS to use variables and nested rules in CSS.

- **Calorie Tracker (JavaScript):** Created a web-based calorie tracker application in JavaScript with special features of state functionality and the module pattern.

- **Sports News Website:** Designed and developed interactive website by demonstrating keen expertise in CSS grid.

Experience Highlights

LABORATORY MANAGER | Microtec Services, Inc., Pasadena, TX   *(2017 – Present)*

Spearhead full spectrum lab operations with concurrent responsibility for producing descriptive work orders, furnishing calibration certificates for customers, maintaining customer records in SQL database, and managing shipping operations. Subject matter expert for processing weekly radiation leak tests for customers and analyzing data and results sent.

- Augmented web traffic and optimized user experience by revamping the company's website, ensuring smooth navigation, and implementing web design and development best practices.

- Streamlined shipping and receiving process by updating old equipment, analyzing existing procedures, and improving label making process for mailing out leak test kits.

- Improved certificate production speed and efficiency by making restructuring the process and calibrated radiation survey meters for precise calibration points according to Nuclear Regulatory Commission (NRC) specifications.