

Draper, UT

# Richard Timpson

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[rwt-portfolio.herokuapp.com](https://rwt-portfolio.herokuapp.com)

## Education

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<b>BS in Computer Science</b>	<b>3.94/4.00</b>	<b>Expected Dec 2020</b>
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University of Utah, Salt Lake City, UT

<b>AS in General Studies</b>	<b>3.95/4.00</b>	<b>May 2018</b>
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Dixie State University, Saint George, UT

## Relevant Coursework

Software Practice I	Data Structures & Algorithms	Discrete Structures
Computer Organizations	Object Oriented Programming	Fundamentals of Computer Science

## Skill

Programming Languages		Tools		Frameworks		Concept/Design Patterns
C#	Java	Git	Regex	.NET	MySQL	Database Concepts
Python	JavaScript	JSON	XML	Angular	Vue.js	REST APIs
HTML	CSS	SQL	jQuery	MongoDB.	Bootstrap	Automation Testing

## Employment

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<b>Software Engineering Internship</b> , Conversion Technologies	<b>Aug 2018 – Present</b>
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- Learned and utilized the framework Angular by prototyping, writing and shipping code for use in an in-house UI software component library and increased its production by 50%
- Enhanced the efficiency of a current development organization by developing web services using PHP, Laravel, MySQL, and AWS, to edit and update existing database infrastructure.
- Contributed to software system design of an existing code base by ensuring high standards in quality, maintainability, and performance; effectively reducing its size by over 25% and increasing performance by 10%.
- Developed proficiency in the front and back end technologies HTML, CSS/SCSS, JavaScript, SQL, PHP, and Laravel by using them on a daily basis.

## Project Experience

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**Personal Website:** [rwt-portfolio.herokuapp.com](https://rwt-portfolio.herokuapp.com)

<b>Spreadsheet Desktop Application (Class Project)</b>	<a href="https://github.com/richt3211/CS-3500/tree/master/Spreadsheet">github.com/richt3211/CS-3500/tree/master/Spreadsheet</a>
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- Engineering spreadsheet desktop application following MVC architecture pattern through proficient understanding of the C# programming language and .NET framework and gained experience in software development, debugging, and teamwork.
- Wrote and implemented new unit tests to build automated test systems with close to 100% code coverage which validated proper software error and exception handling.

<b>Winery Guild (Bootcamp Project)</b>	<a href="https://github.com/richt3211/Winery-Guild">github.com/richt3211/Winery-Guild</a>
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- Studied and worked in frontend development using Vue.js and backend development using Node.js to develop a functional web application that allows users to find, edit, and add to a database of over 11,000 wineries in the United States.
- Used professional and positive communication skills in a development team by providing constructive feedback and criticism, voicing disagreements when appropriate, and compromising when needed to strengthen the success of the project.
- Worked in fast-paced environment, used self-managed discipline to focus on the task, and committed time to hands-on work outside of required hours to ensure a finished product.

## Volunteer/Leadership Activities

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<b>President, ACM Club</b> , Dixie State University	<b>Jan 2018 – May 2018</b>
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- Took initiative to start the club by creating innovative ways to raise funds for club activities, leading club meetings, and working with faculty members to arrange events and guest speakers.