

Jeffrey C. Sung

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Summary

- Experienced React/Redux engineer seeking an exciting front end web development opportunity
- Proficient in front end stack technologies and tooling, debugging, and troubleshooting
- Experienced at integrating with back end technologies and database design and usage
- Experienced at building scalable internal and client-facing applications on agile development teams

Skills

- Front End Development: React, Redux, jQuery, Bootstrap, HTML, CSS, JavaScript, and Node.js
- Other Development: C#.NET, Java, Python, PHP, MySQL, bash, C++, and Fortran 90/95
- Tooling: Chrome DevTools, SASS, npm, Visual Studio, gulp, git, phpMyAdmin, gdb, and GNU Make
- Data Visualization: d3.js, recharts.js, xmgrace, gnuplot, matplotlib

Relevant Work Experience

2018–Present	Junior Software Engineer The DEI Group, Millersville, MD <ul style="list-style-type: none">• Develop internal tools and dashboards for engineering projects• Develop and maintain data pipelines and applications for data analysis• Develop and maintain reporting tools for clients
2017–2018	Junior Frontend Engineer Liferay Inc, Diamond Bar, California <ul style="list-style-type: none">• Developed the React-like Metal.js components for internal single source of truth product• Developed the jQuery-like AlloyUI front end components for internal administrative interfaces• Implemented designs and developed front end components for a client-facing product• Integrated front end components with back end code for internal and client-facing products• Developed using agile development methodologies
2017	Frontend Engineering Intern Liferay Inc, Diamond Bar, California <ul style="list-style-type: none">• Contributed to making AlloyUI WAI-ARIA-compliant• Fixed Java, JavaScript, jQuery, and CSS bugs in Liferay Portal core and AlloyUI
2012–2016	Research Assistant Siepmann Group, University of Minnesota-Twin Cities, Minneapolis, Minnesota <ul style="list-style-type: none">• Developed transferable force fields modeling phase equilibria• Maintained and updated publications database for website• Debugged, troubleshooted, and updated in-house Monte Carlo simulation code• Developed custom scripts and programs to analyze simulation data
2011–2012	Co-Founder Plasmyd: Revolutionizing Scientific Discussion <ul style="list-style-type: none">• Developed new features to further core mission of creating a centralized location for discussions of academic papers• Networked with professors and science popularizers to demonstrate platform
2010–2012	Research Assistant Paesani Group, University of California, San Diego, La Jolla, California <ul style="list-style-type: none">• Developed force fields to model metal–organic frameworks• Found and fixed bugs locally in commercial molecular dynamics simulation code• Created custom scripts and programs to analyze simulation data

Education

2012–2016	M. S. – Chemical Physics University of Minnesota, Minneapolis, Minnesota
2010–2012	M. S. – Chemistry University of California, San Diego, La Jolla, California
2005–2010	B. S. – Chemistry and Materials Physics University of California, San Diego, La Jolla, California