Jeffrey C. Sung

jeffrey.sung@gmail.com 909-979-1891 http://www.jcsung.net/

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: Liferay 6.1 – DXP, Java, PHP, MySQL, bash, C++, and Fortran 90/95
- Tooling: Chrome DevTools, SASS, npm, gulp, git, phpMyAdmin, gdb, and GNU Make
- Graphic Design: Photoshop and Illustrator

Relevant Work Experience

2017–2018 **Junior Frontend Engineer**
Liferay Inc, Diamond Bar, California
- 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
- 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
- Developed transferable force fields modeling phase equilibria
- Maintained and updated publications database for website
- Debugged, troubleshot, 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
- Developed new features to further core mission of creating a centralized location for in-depth 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
- 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

2008–2010 **Undergraduate Research Assistant**
McCammon Group, University of California, San Diego, La Jolla, California
- Researched the binding kinetics of influenza proteins
- Modified open-source Brownian Dynamics simulation code for custom simulation usage
- Wrote 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