

May 8, 2020

Dear Hiring Manager,

Coming from a life sciences background, the opportunity to work at BD Biosciences as a junior web developer to design and implement new features for bdbiosciences.com is somewhat familiar, yet also an exciting application of my skills as a developer.

After graduating with a B.S. in Bioengineering in 2018, I worked at UCSF under the Macromolecular Structure Group as a staff research associate. My responsibilities ranged broadly from research protocol automation, data analysis, to purchasing and supply management. Over time, I found myself doing less lab work and more coding. I created web apps and scripts to automate administrative tasks like equipment scheduling and billing. I developed a full-stack app called “hitsDB” to streamline workflows for a novel data collection pipeline. After realizing the type of work I enjoyed the most, I committed myself to change. Since leaving UCSF, I have continued to make and learn more about web development — a passion I want to make a career.

Having deployed several apps, I have experience across the stack and overall end-to-end development process. On the backend, I am experienced with database design and querying (PostgreSQL), servers-side frameworks (Django, Flask), and web API development (Django REST). On the frontend, I have strong HTML, CSS, and JavaScript (ES6) fundamentals and am proficient with React and related libraries (Redux, React-router, Styled-components). Please see <https://lorenjiang.com> for my portfolio of projects.

In addition to these technical skills, I believe my ability to problem-solve and communicate effectively in cross-functional groups would make me a strong fit for this position. At UCSF, I noticed how research pipelines were often bottlenecked by their lack of integration with modern software tools, which prompted me to initiate several coding projects. In developing hitsDB at UCSF, I sought feedback from research users to inform the design decisions and prioritize features accordingly. In the same vein, through collaboration on the business and life science spectrums, I hope to ship well-tested, user-relevant features for the eBusiness operations at BD.

Thank you for your consideration,

Loren Jiang