**Xiyao Long**

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Department of Laboratory for Systems Medicine,

Harvard,

75 Francis St, Boston, MA 02115, USA

March 22nd, 2018

Dear Hiring Manager in Harvard Laboratory for Systems Medicine:

I am writing to apply for the position of Data Analyst. I think my skills and career interest align with the position perfectly. My education in chemical engineering (Johns Hopkins), bioinformatics (UIC) developed my knowledge in quantitative biology and coding. My four years of research experience in computational sciences adequately prepared me for this position.

I have delveloped a wide range of skills in my 4 year of research experience, in which I build predictive models using machine learning methods for improving antibody structure modeling and conduct bioinformatics data analysis on RNAseq and DNA methylation Array data. I am accustomed to writing scripts for data-intensive and computationally intensive analysis tasks. Data visualization is an integral part of data analysis, and I am adept at exploring data visualization tools and integrating rich information into my figures that can pinpoint my research story.

Besides being experienced in quantitative biology and data analysis, I am experienced in working in team projects. I participated two multiple-lab-collaborative projects: Rosetta protein modeling Suite and also PsychEncode human brain functional genomics study. While in RosettaCommons I participated in the collaborative development of the Rosetta software, where I constantly inquired about the research results of other people for the development of my own code.  In PsychEncode, I collaborate with colleagues to troubleshoot the NGS sample preparation protocol.

From my previous research experience, I learned how to organize experiments, process a large dataset and conduct complex analysis projects. A more detailed description about my projects and education can be found on my resume. I am looking forward to further discuss your needs and how  my skills can fit at X company.

Sincerely,

Xiyao Long