Timothy L Tickle, PhD

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Dear Steven Downing,

I am writing to apply to the Senior Software Engineer position (requisition number 1209) posted on the Broad Institute’s career site.

I am currently a postdoctoral fellow at the Harvard School of Public Health in Curtis Huttenhower’s group as well as a Broad Research Affiliate. Recently, I have focused on methodology development surrounding metagenomics. This included developing full software solutions focused on making methodology available to the scientific community. While developing software, I was responsible for code versioning (bitbucket/mercurial), user support, maintaining a web presence, automated testing, and the design and implementation of software. As needed, I trained visiting researchers in the use of the Huttenhower tools, and mentored students in various projects. Software was developed in a UNIX environment and ranged from statistical and computational methodology, to a system for automating the creation of virtual images containing the Huttenhower tools. Previously, in my graduate studies, I created a postgres database focused on housing and querying information describing short oligonucleotides. As a netcentric application developer at the Vanguard group, I worked within a JEE environment using WebSphere (Eclipse).

I am a professional who loves the art of software development, and who has had experience in developing scientific software. I believe this opportunity represents an environment where I may use and grow my software development skill set while leveraging my experience in research and bioinformatics. RNA-seq analysis is an exciting field of bioinformatics with great potential to help understand gene expression. I look forward to hearing from you.

Cordially,

TimothyTickleSignature.pdf

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