

# Barney Potter

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## Recruitment team

September 10, 2016

Allen Institute for Cell Science  
615 Westlake Ave N  
Seattle, WA 98109

Dear Recruitment team,

My name is Barney Potter and I am a recent graduate of Reed College in Portland, Oregon. I majored in both mathematics and biology. I have a very strong background in computational biology and computer science and a passion for designing algorithms to tackle problems in computational sciences.

I was searching the Allen Institute job postings recently, and I noticed you as someone I should contact regarding my research and programming interests. I find that the research interests of the Allen Institute for Cell Science are in-line with my own personal research interests.

Personally, I am interested in building efficient algorithms and models that can help contribute to advancing biological knowledge and human health. I recently finished writing my senior undergraduate thesis where I built a generalization of Prize-Collecting Steiner Trees, which I used to find dysregulated pathways in cancer tissues based on differential gene expression. I have experience working in transcriptomics (studying polyploidy in *Arabidopsis thaliana*) and pipeline design, computer science and computational biology, and designing and implementing algorithms for use in biological systems.

I hope to attend graduate school, but am planning to take time off first. I believe that your work would be an invaluable bridge between my interests in computational biology and that of human health during my gap years. I would appreciate the opportunity to be a contributing team member, bringing my best efforts and unique skill set to your work.

Thank you,

**Barney Potter**

*Attached: curriculum vitae*