2408 High Meadow Lane

Champaign, IL 61822

November 10, 2015

To Whom It May Concern:

My dissertation work focused on dynamic scheduling strategies for multi-core nodes of supercomputer.

I’m familiar with Berkeley Labs throughout my PhD. For me, a highlight of my exposure to Berkeley labs with researchers during my PhD has been the work that involves improving performance of scientific applications through empirical search of parameters, known as auto-tuning, where parameter search space and machine learning are important aspects of performance improvements.

I would like to build upon the work done by using auto-tuning techniques for the scheduling strategies to show benefit. This could provide additional use case for auto-tuning. I would also like to publish additional work on my scheduling strategies to further advance research in the area of dynamic scheduling. I believe a position such as the Alvarez Fellowship at Lawrence Berkeley National Laboratory would allow me to do this.

Please see my enclosed resume to get more information about my skill sets and research experience.

Sincerely,

Vivek Kale

Enclosure