28 October 2016

To whom it may concern,

Re: Recommendation Letter for Mr Wei Cai

I am pleased to write this letter to support Wei Cai for the ACM Doctoral Dissertation Award.

Wei completed his doctoral dissertation at The University of British Columbia. The studies he conducted for this dissertation is cloud gaming research, from the aspects of video encoding and dynamic offloading.

The first work in the dissertation optimizes the quality of experience for interactive game video streaming. It is a typical latency sensitive application, which has bottleneck issues in network transmissions. In other words, the outcome of Wei's research can be extended to many similar systems, e.g., Remote Desktop and interactive live broadcasting. I am convinced that his dedication in this topic will motivate other researchers for future enhancement.

The second work considers cloud gaming with software engineering theory. Wei's work innovatively leverages software decomposition and dynamics offloading to provide the cognitive capability for cloud gaming. This is a bold attempt for a latency sensitive application, which definitely will raise feedbacks and interests in this direction.

Taking all these into account, Wei is a promising young researcher and his work has made important contributions to the research community. I highly recommend Wei for the ACM Doctoral Dissertation Award.

Should you have any questions regarding this recommendation, please do not hesitate to contact me. Thank you.

Yours faithfully,

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