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January 18, 2012

Mr. Johannes Kopf
Interactive Visual Media Group
Microsoft Research Redmond
One Microsoft Way Redmond, WA 98052

Dear Mr. Kopf:

As a third year Computer Science PhD student working in computer vision, I'm very interested in summer internship in your research group. I learned of the opening via my advisor Prof. Noah Snavely in our department.

The research I've been involved in mainly addresses recognition and matching problems, in particular, using bag of feature framework combined with machine learning techniques, which is one of my research interests. I'm also interested in 3D reconstruction, especially large-scale 3D reconstruction from Internet photo collections. There has been interesting work in using 3D reconstruction techniques to better perform recognition and matching tasks, and I'm currently working on related subjects with my advisor. In addition, I'm also interested in exploring new research areas I am less familiar with, such as image processing and computational photography. I noticed a lot of these areas and topics are intensively studied on in your group, and I think this is one reason why I would be a good fit for a summer intern in your group. Thank you very much for taking time to consider my credentials.

Sincerely yours,

Song Cao