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To the NSF CAREER panel reviewers:

We are collaborating with Jeff Heer at Stanford University to develop data collection tools for citizen scientists. The increasing prevalence of mobile devices presents an opportunity for participatory sensing, where end users can gather and share data "in the wild" that others can then aggregate and analyze to derive new and better insights and opportunities. While end user contributed data can open up new opportunities, however, it also introduces new problems, particular inconsistent, erroneous, and malicious information that can degrade the utility of the data as a whole. Jeff's expertise in visualization and data cleaning and particularly his work on Data Wrangler is therefore a critical component to this collaboration.

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