Research Assistant Position

We are taking applications for a Research Assistant position working 25-50% for the 2013-2014 academic year. The person filling the position will be part of a nationally funded, interdisciplinary project that proposes to develop an Android-based smartphone application that collects highly-detailed travel decision data for the purpose of achieving greater understanding of travel choices and fostering transportation advancements. The solution combines smartphone-based sensing, surveying, and context-aware data mining technologies with advanced statistical and machine learning techniques to automatically detect, identify, and summarize attributes of daily activity and travel episodes, thereby allowing users to provide additional trip information with minimum disruption to their daily routine. The successful candidate is expected to begin work in September 2013 and will continue until the end of the Spring 2014 semester.

Requirements:

- Experience with smartphone app programming, specifically Java programming for the Android platform.
- Experience with web (server) programming and web-based data collection.
- Strong verbal and written communication skills: results of work will need to be periodically communicated via oral presentations and written reports.

Desirable:

- Experience with data mining / machine learning / statistical analysis techniques and tools.
- Experience with geographic information systems (GIS) and spatial databases

To be considered for this RA position, please send your CV to Prof. Julian Wolfson at julianw@umn.edu.