Hi there,

Thank you for your interest! I'm currently looking for one graduate student starting from Fall 2019. The admitted student will be working closely with me in my Geospatial Semantics and Data Analytics (GSDA) lab hosted in the Department of Geography at the University at Buffalo (UB), The State University of New York (SUNY). Most of my research involves spatial, temporal, and textual analysis on geo-text data for knowledge discovery and decision support. If you are interested in spatiotemporal data analytics, natural language processing, machine learning, and GIS, I would encourage you to apply. To get a taste of my research, you can read my papers below:


The papers above can be downloaded from: [http://www.acsu.buffalo.edu/~yhu42](http://www.acsu.buffalo.edu/~yhu42). By working in my GSDA lab, you will not only develop strong technical skills but also learn how to conduct solid scientific research. For the accepted PhD student, you will be fully funded as a research assistant, contingent on satisfactory performance. UB Geography typically does not provide financial support for master students. However, exceptions will be made if the academic record of an applicant really stands out. Thus, you will also be funded if you can demonstrate that you will be an outstanding master student.

To become a successful applicant (and receive financial support), you are expected to have the following background and skills:

- A bachelor or master degree in GIScience, computer science, information science, or related field before the official enrollment (August 2019); Note that a master degree is typically required if you are applying for PhD
- Great passion for GIScience
- Familiar with at least one programming language, e.g., Java or Python
- Familiar with one spatial analysis and mapping tool, e.g., ArcGIS or QGIS
- Research experience in NLP and machine learning is a plus but not required
- Fluent in spoken English (this is for international students only, who will need to pass the UB English proficiency test after admitted)

The University at Buffalo is the largest and most comprehensive campus in the SUNY system. The Department of Geography is a nationally-ranked unit known for its significant advances in GIScience, geospatial analysis and modeling, health geography, and
quantitative methods. The department is designated a Center of Academic Excellence in Geospatial Sciences by the National Geospatial-Intelligence Agency (NGA) and the United States Geological Survey (USGS). It is home to the National Center for Geographic Information and Analysis (NCGIA), which provides leadership in GIScience research across multiple disciplines.

If you are interested in this graduate study opportunity, please send your CV and a brief statement (no more than 300 words) to me at yhu42@buffalo.edu. In your statement, please describe why you are interested in working with me, and what makes you a good candidate for this graduate study opportunity.

Best,
Yingjie

Yingjie Hu
Assistant Professor

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