

Hi there,

Thank you for your interest! I'm currently looking for 1-2 graduate students starting from Fall 2018. The admitted students will be working closely with me in my Geospatial Semantics and Data Analytics lab. Most of my research involves understanding the meaning (semantics) of geographic information, and uses a variety of data analytic methods to discover knowledge from data. If you are interested in spatiotemporal data mining, machine learning, and GIS, I would encourage you to apply. To get a taste of my research, you can read some of my publications, such as the following:

- Hu, Y., Ye, X., & Shaw, S.-L. (2017): Extracting and analyzing semantic relatedness between cities using news articles. *International Journal of Geographical Information Science*, in press.
- Hu, Y., Janowicz, K., & Couclelis, H. (2017): Prioritizing disaster mapping tasks for online volunteers based on information value theory. *Geographical Analysis*, 49, 175–198.
- Hu, Y., Gao, S., Janowicz, K., Yu, B., Li, W., & Prasad, S. (2015): Extracting and understanding urban areas of interest using geotagged photos, *Computers, Environment and Urban Systems*, 54, 240-254.

All my papers can be found at my homepage: <http://volweb.utk.edu/~yhu21>. By working in the GSDA lab, you will not only develop strong technical skills but also learn the important methods for conducting scientific research. If accepted, you will be financially supported as a teaching assistant or a research assistant, contingent on satisfactory performance.

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 2018)
- Great passion for GIScience
- Familiar with one programming language, e.g., Java or Python
- Familiar with one data analytics tool, e.g., R or Matlab
- Familiar with one spatial analysis and mapping tool, e.g., ArcGIS or QGIS
- Research experience in NLP and text mining would be a plus, but is not required
- Fluent in spoken English (this is for international students who will need to pass the Tennessee SPEAK English Language Proficiency exam after admitted)

The Geography Department at the University of Tennessee Knoxville has a well-known GIScience program. The university campus is close to the Oak Ridge National Lab (ORNL) under the U.S. Department of Energy, which offers opportunities for internships and jobs to students in GIScience.

If you are interested in this opportunity, please send your CV and a brief statement (no more than 300 words) to me at yhu21@utk.edu. In your statement, please describe why you are interested in working with me. If you have any questions, please feel free to contact me, and I will try to reply as soon as possible.

Best wishes,
Yingjie Hu