ZHANG, YONGLI

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EDUCATION

Doctoral degree, Computer Science   **01/2014-Present**
University of Houston (**UH**), Houston, TX, USA.   **GPA: 3.51/4.0**   Advisor: CHRISTOPH F. EICK
B.E., Electrical Engineering   09/2009-06/2013
University of Electronic Science and Technology of China (**UESTC**), Chengdu, China. **GPA: 3.85/4.0 89.34/100**

WORK EXPERIENCE

Genesys Works Inc, Houston, TX, USA   Summer 2015
- **IT trainer:** provided IT training to underprivileged high school students, enabling the students to work in meaningful internships at major corporations during their senior year in high school.

University of Houston, Houston, TX, USA   01/2014-Present
- **Teaching Assistant** at the Department of Computer Science. Instructed the lab section of the course "Computer Organization and Programming".

RESEARCH EXPERIENCE

University of Houston, Houston, TX, USA   01/2014-Present
- PhD Student at the **Data Analytics & Intelligent Systems Lab (DAIS).**
- Research Assistant for the **DHS project**: SenseNet: Low-Cost, Sustainable Approaches for Environmental Monitoring.
- Research on NYC **taxi trips data analytics** and Maryland **crime trend analytics** using novel spatio-temporal clustering approach.
- Designed an alphabet identification system using Matlab.

University of Electronic Science and Technology of China, Chengdu, China   09/2009-06/2013
- Designed and implemented auto-tracking robot.
- Designed and implemented a duplex text and voice communication system.
- Designed and implemented a sound localization system.

PROGRAMMING LANGUAGE & SOFTWARE

Java, R, C++, C, Assembly language;   MVS, Eclipse, Xcode, Hadoop, Vertica, Matlab

PUBLICATIONS

Zhang, Y., Eick, F. C. "Novel Clustering and Analysis Techniques for Mining Spatio-temporal Data", *ACM SIGSPATIAL 2014 PhD Symposium, 22nd ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems,* 2014

Zhang, Y., Eick, F. C. "ST-DCONTOUR—A Serial, Density-contour Based Spatio-temporal Clustering Approach to Cluster Location Streams." *7th ACM SIGSPATIAL International Workshop on GeoStreaming*. ACM, 2016, Submitted.

AWARDS and SCHOLARSHIP

Graduate Recruitment Fellowship, USA	2013/14
Presidential Fellowship, USA	2013/14
Top class People's Scholarship, China	2012
1st class People's Scholarship, China	2011
National Scholarship for Encouragement, China	2010