Yuping Lu

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EDUCATION

PRESENT AUG. 2013	Ph.D. student in COMPUTER SCIENCE **the University of Tennessee**, Knoxville, TN Research Interests: Graph algorithms and tools for biological data Advisor: Dr. Michael LANGSTON | GPA: 3.90
MAY 2011 SEPT. 2007	BEng in COMPUTER SCIENCE **Nanjing Agricultural University**, Nanjing, Jiangsu Province, China Advisor: Dr. Huanliang XU | GPA: 3.64

WORK EXPERIENCE

PRESENT JULY 2014	Graduate Research Assistant at OFFICE OF INFORMATION TECHNOLOGY *the University of Tennessee, Knoxville* • Administration and implementation of Google Search Appliance. • Configuration and administration of campus web servers. • Helped teach occasional workshops on various topics, like search technology, SQLite.
SUMMER 17, 16	Intern at THE SCIENTIFIC DATA GROUP *Oak Ridge National Laboratory* • Scaling a PheWAS logistic regression R code on a cluster computer with pbdR tools in a parallel package. 2017. • Implemented an R package pbdADIOS to connect R with ADIOS parallel middleware for IO. Most functions in this package are implemented with C++. 2016.
JUNE 2014 AUG. 2013	Graduate Research Assistant at DR. LANGSTON'S LAB *the University of Tennessee, Knoxville* • Upgraded GrAPPA which is a web-based interface built on the Galaxy framework for the graph-based tools. • It includes all the necessary tools to do a complete microarray analysis, from uploading RAW microarray data to postprocessing visualization tools.
MAY 2012 JULY 2011	Implementation Engineer at ZTESOFT R&D CENTER *Nanjing, Jiangsu Province, China* Worked on two main projects: • Lima, Peru Perusat Wimax CvBS Operations & Maintenance Project. • Santiago, Chile VTR OCS Project.

PROGRAMMING LANGUAGES

C/C++, R, PHP, HTML+CSS+JS

PULICATIONS

Digital gene expression profiling of the Phytophthora sojae transcriptome.
Ye, W., Wang, X., Tao, K., **Lu, Y.**, Dai, T., Dong, S., Dou, D., Gijzen, M. and Wang, Y.
Molecular Plant-Microbe Interactions, 24(12):1530–1539, December 2011.

Robustness of Clustering Algorithms.
Yuping Lu, Charles A. Phillips, Michael A. Langston
BMC Bioinformatics — To be submitted

biclique: Maximal Biclique Enumeration in Bipartite Graphs.
Yuping Lu, Charles A. Phillips, Michael A. Langston
BMC Bioinformatics — To be submitted

HONORS AND AWARDS

2013	Department excellence award, the University of Tennessee, Knoxville
2007-2011	Outstanding graduate and several scholarships, Nanjing Agricultural University