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: 3.91 | Google Scholar Citations: 61
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 **Oct. 2017**	Graduate Research Assistant at ARM Data Center *Oak Ridge National Laboratory* • Anomaly Detection and Data Processing.
Oct. 2017 **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 **2017** **2016**	Intern at the Scientific Data Group *Oak Ridge National Laboratory* • Scaling a PheWAS logistic regression R code on HPC clusters with pbdR tools using singularity container. • Implemented an R package pbdADIOS to connect R with ADIOS parallel middleware for IO. Most functions in this package are implemented with C++.
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++, Python, R, PHP, HTML+CSS+JS

HONORS AND AWARDS

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