

Yuping Lu

PHONE: 865-560-6806

EMAIL: yupinglu89@gmail.com

GITHUB: github.com/YupingLu

HOME PAGE: yupinglu.me

EDUCATION

PRESENT AUG. 2013	Ph.D. student in COMPUTER SCIENCE the University of Tennessee , Knoxville, TN Research Interests: Combinatorial Algorithms, Graph Metrics 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 <i>Oak Ridge National Laboratory</i> <ul style="list-style-type: none">Anomaly Detection and Data Processing.
OCT. 2017 JULY 2014	Graduate Research Assistant at OFFICE OF INFORMATION TECHNOLOGY <i>the University of Tennessee, Knoxville</i> <ul style="list-style-type: none">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 <i>Oak Ridge National Laboratory</i> <ul style="list-style-type: none">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 <i>the University of Tennessee, Knoxville</i> <ul style="list-style-type: none">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 <i>Nanjing, Jiangsu Province, China</i> Worked on two main projects: <ul style="list-style-type: none">Lima, Peru Perusat Wimax CvBS Operations & Maintenance Project.Santiago, Chile VTR OCS Project.

PROGRAMMING LANGUAGES

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

PUBLICATIONS

A robustness metric for biological data clustering algorithms.

Yuping Lu, Charles A. Phillips, Michael A. Langston
ISBRA 2018 – Submitted.

Paraclique: a clique finding algorithm for weighted graph.

Yuping Lu, Charles A. Phillips, Michael A. Langston
ACM-BCB 2018 – To be submitted.

biclique: maximal biclique enumeration in bipartite graphs.

Yuping Lu, Charles A. Phillips, Michael A. Langston
BMC Research Notes – To be submitted.

Proceedings of the 15th annual UT-KBRIN bioinformatics summit 2016.

Yuping Lu, Charles A. Phillips, Michael A. Langston
BMC Bioinformatics 17 (10), 297, August 2016

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.

HONORS AND AWARDS

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