

T E N G L O N G
D E P A R T M E N T O F C O M P U T E R S C I E N C E
U N I V E R S I T Y O F M A R Y L A N D
C O L L E G E P A R K
T L O N G @ C S . U M D . E D U

RESEARCH INTERESTS

- Software Testing, Automatic Compatibility Testing, Collaborative Testing
- Distributed Systems, High-performance Computing
- Cloud Computing, Infrastructure as a Service

EDUCATION

Ph.D in Computer Science University of Maryland	Aug. 2009 - Aug. 2015(expected) College Park, MD
<ul style="list-style-type: none">• Research area: Distributed systems and Software testing• Thesis: Collaborative Testing Across Shared Software Components• Advisors: Dr. Alan Sussman, Dr. Atif Memon and Dr. Adam Porter	
Master of Science in Computer Science University of Maryland	Aug. 2009 - Dec. 2012 College Park, MD
Bachelor of Science in Computer Science Sichuan University	Aug. 2004 - Jul. 2009 Chengdu, China

EMPLOYMENT

Department of Computer Science, Univ. Maryland , College Park, MD	May 2010 to present
<ul style="list-style-type: none">• Research assistant with Dr. Alan Sussman, Dr. Atif Memon and Dr. Adam Porter• Research on collaborative testing of shared software components, community-based software testing.	
Samsung Semiconductor Inc. , San Jose, CA	May. to Aug. 2014
<ul style="list-style-type: none">• Intern in the big data team of the Memory Solution Lab• Customize the Spark in-memory big-data processing engine using Scala for storage performance study.• Performance analysis of Spark running machine learning algorithms on large datasets on SSD.	

PUBLICATIONS

- **Enabling Collaborative Testing Across Shared Software Components**,
Teng Long, Ilchul Yoon, Atif Memon, Adam Porter and Alan Sussman
Proceedings of the 17th International ACM Sigsoft Symposium on Component-Based Software Engineering, LiLLe, France, 2014
- **Scalable System Environment Caching and Sharing for Distributed Virtual Machines**,
Teng Long, Ilchul Yoon, Alan Sussman, Adam Porter and Atif Memon,
Proceedings of the 2014 IEEE International Parallel & Distributed Processing Symposium Workshops
- **Overlap and Synergy in Testing Software Components Across Loosely-Coupled Communities**,
Teng Long, Ilchul Yoon, Adam Porter, Alan Sussman and Atif Memon,
Proceedings of the 23rd IEEE International Symposium on Software Reliability Engineering 2012
- **PutMode: Prediction of Uncertain Trajectories in Moving Objects Databases**,
Shaojie Qiao, Changjie Tang, Huidong Jin, *Teng Long*, Shucheng Dai, Yungchang Ku and Michael Chau,
Applied Intelligence, December 2010
- **E³TP: A Novel Trajectory Prediction Algorithm in Moving Objects Databases**,
Teng Long, Shaojie Qiao, Changjie Tang, Liangxu Liu, Taiyong Li, Jiang Wu,
Proceedings of the Pacific Asia Workshop on Intelligence and Security Informatics 2009

PROFESSIONAL SERVICES

- Graduate admission committee student member of Computer Science Department, Jan. 2015
- Graduate admission committee student member of Computer Science Department, Jan. 2013
- External Reviewer of **2013 International Conference on Parallel Processing - The 42nd Annual Conference (ICPP-2013)**, Ecole Normale Supérieure de Lyon, Lyon, France, Oct. 2013
- External Reviewer of **24th International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD'2012)**, New York City, USA, Oct. 2012
- External Reviewer of **The 8th IEEE International Conference on eScience (eScience 2012)**, Chicago, Illinois, USA, Oct. 2012
- External Reviewer of **The 5th International Conference "Distributed Computing and Grid-technologies in Science and Education" (GRID'2012)**, Dubna, Russia, Jul. 2012
- External Reviewer of **International Conference for High Performance Computing, Networking, Storage and Analysis (SC11)**, Seattle, WA, USA, Nov. 2011

HONORS

University of Maryland International Graduate Research Fellowship	2013
University of Maryland New Graduate Student Fellowship	2009 and 2010
Annual Excellent Undergraduate Scholarship by Sichuan University	2005, 2006 and 2007
Best Debater in the Debate Contest between Sichuan University and UESTC	2006

TEACHING EXPERIENCE

Teaching Assistant	University of Maryland
CMSC436: Programming Mobile Devices	Fall 2014
CMSC421: Computer System Architecture	Spring 2014
CMSC714: High Performance Computing Systems	Fall 2012
CMSC714: High Performance Computing Systems	Fall 2012
CMSC216: Introduction to Computer Systems	Spring 2010
CMSC102: Introduction to Information Technology	Fall 2009

TECHNICAL SKILLS

Programming Languages: Python, Java, C, Perl, SQL
Popular APIs: MPI, OpenMP, NVidia CUDA, VirtualBox commandline APIs
Tools: Eclipse, Emacs, MySQL, Jenkins
Development OS: Linux, Windows

COURSE WORK

Artificial Intelligence Planning, High Performance Computation, Computational Geometry, Program Analysis and Understanding, Fundamental of Software Testing, Database Management Systems, Grid and Cloud Computation, Computational Linguistics, Advanced Operation Systems