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Yanhong Wu

Education

2014.9–Present **Ph.D. in Computer Science**, *Department of Computer Science and Engineering*, **Hong Kong University of Science and Technology**, Hong Kong.
- Supervisor: Prof. Huamin Qu
- Research Interests: **Information Visualization**, **Network Visualization**, **Social Network Analysis**, and **Human-Computer Interaction**

2009.9–2013.6 **Bachelor of Engineering**, *Software School*, **Fudan University**, Shanghai, China.
- Selected Courses: Algorithm&Data Structure Design, Operating Systems, Compilers, Computer Networks, Database Design, Web Technologies, Software Engineering, etc.

Working/Research Experience

2015.6–2015.9 Research Intern, ***Microsoft Research Asia***, Beijing, China.
- Mentor: Dr. Weiwei Cui
- Evaluated how different graph sampling strategies affect human perception in network visualization.
- Programming: **Python, WebGL, D3, AngularJS**

2013.10–2014.8 Research Assistant, ***Hong Kong University of Science and Technology***, Hong Kong.
- Led designing and implementing GraphVis, an online large graph visual analytics system.
- Programming: **Scala, Spark, WebGL, D3, AngularJS**

2013.7–2013.9 Software Engineer, ***Douban Inc.***, Beijing, China.
- Developed Douban's internal project hosting service CODE: an extended GitHub-like system.
- Challenge: Keeping a high availability during rapid development iterations
- Programming: **Python, MySQL, JavaScript, Git, ElasticSearch**

2013.2–2013.6 System Engineer Intern, ***eBay Engineering and Research Center***, Shanghai, China.
- Developed and profiled eBay's cloud service system OpenStratus based on OpenStack.
- Challenge: Debugging the new and unstable features of OpenStratus
- Programming: **Java, Shell Script, OpenStack, KVM**

2011.2–2012.10 Undergraduate Researcher, ***Fudan University***, Shanghai, China.
- Participated in developing ReEmu: a scalable parallel full system emulator(published in PPoPP'13).
- Challenge: Navigating in a large code-base and parallelizing a mature open-sourced software
- Programming: **C, Ruby, Shell Script, QEMU**

Awards and Honors

2015 **Microsoft Research Asia Fellowship Nomination Award**.
- Granted to 10+ Ph.D. students in Asia-Pacific.

2015 **Microsoft Research Asia Stars of Tomorrow (Award of Excellence)**.
- Obtained during the internship at Microsoft Research Asia.

2012 **Outstanding Student of Fudan University**.
- Granted to 3 among 87 students at Software School, Fudan University.

2011 **Championship of the 4th IShamrock Software Design Competition**.
- Won first place among 30+ teams from Fudan University and University College Dublin.

2007 **First Prize in National Olympiad in Informatics in Provinces**.
- Obtained Fudan University's direct enrollment through this national algorithm competition.

Publications

Yanhong Wu, Naveen Pitipornvivat, Jian Zhao, Sixiao Yang, Guowei Huang, and Huamin Qu. egoslider: Visual analysis of egocentric network evolution. In *IEEE Transcactions on Visualization and Computer Graphics (Proceedings of VAST 2015)*.

Yanhong Wu, Wenbin Wu, Sixiao Yang, Youliang Yan, and Huamin Qu. Interactive visual summary of major communities in a large network. In *IEEE Pacific Visualization Symposium (PacificVis)*, April 2015.

Projects

2011 **Saber: A Multi-microblog Client Application**, *Competition Project*.
- Developed a multi-microblog client application with more than 30k lines of codes within 1 month.
- Awarded as the **championship** among 30+ teams in the 4th IShamrock Software Competition.
- Programming: **C#, WPF, OAuth 2.0**

2011 **Utopia: An Exokernel Operating System**, *Independent Project*.
- Designed and extended an exokernel-like operating system, based on MIT's open-sourced JOS.
- Programming: **C, Assembly, Shell Script**

2011 **APSys'11 Conference Registration System**, *Independent Project*.
- Implemented an online registration system integrated with Fudan University's online payment system.
- Programming: **PHP, MySQL, JavaScript**

2010 **Foison Credit Online Education System**, *Team Project*.
- Developed an online education system for Shanghai Foison Credit Rating Co. Ltd.
- Programming: **Java EE, Spring, Struts, Hibernate**

Teaching Experience

2015 Fall **Java Programming**, *Teaching Assistant*, HKUST.

2015 Spring **Introduction to Python Programming**, *Teaching Assistant*, HKUST.

2013 Spring **Distributed Systems**, *Teaching Assistant*, Fudan University.

2012 Fall **Operating Systems**, *Teaching Assistant*, Fudan University.

2012 Spring **Computer System Engineering**, *Teaching Assistant*, Fudan University.

2011 Fall **Introduction to Computer Systems II**, *Teaching Assistant*, Fudan University.

Community Involvement

Reviewer IEEE Pacific Visualization Symposium (PacificVis), 2016

VAST Challenge, 2015

Student Volunteer SIGGRAPH Asia, Kobe, Japan, 2015

Skills

Programming Proficient in Python, Java, C, and JavaScript

Familiar with R, Scala, Ruby, C# and OCaml

Tools MySQL, MongoDB, Spark, Hadoop

Visualization D3, WebGL, Matplotlib

Languages Chinese Mandarin (native), English (professional working proficiency)