

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.

Research / Working Experience

- 2016.5–Present Visiting Ph.D. Student, **Aviz Team, INRIA**, Paris, France.
- Supervisor: Prof. Jean-Daniel Fekete
 - Research on a progressive projection-based large network visualization method.
 - Programming: **Python, WebGL, D3, React**
- 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.
- Industry collaborator: Huawei Technologies Co. Ltd.
 - 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.
 - Programming: **Python, MySQL, JavaScript, Git, Elasticsearch**
- 2013.2–2013.6 System Engineer Intern, **eBay Engineering and Research Center**, Shanghai, China.
- Developed eBay's cloud service system OpenStratus based on OpenStack.
 - Programming: **Java, Shell Script, OpenStack, KVM**
- 2011.2–2012.10 Undergraduate Researcher, **Fudan University**, Shanghai, China.
- Advisor: Prof. Haibo Chen
 - Participated in developing ReEmu: a scalable parallel full system emulator.
 - Programming: **C, Ruby, Shell Script, QEMU**

Awards and Honors

- 2016 **ACM SIGCHI Honorable Mention Award of Best Paper**.
- 2016 **HKUST Overseas Research Award**.
- 2015 **Microsoft Research Asia Fellowship Nomination Award**.
- 2015 **Microsoft Research Asia Stars of Tomorrow (Award of Excellence)**.
- 2012 **Outstanding Student of Fudan University**.
- 2011–2013 **People's Scholarship for three times**.
- 2011 **Championship of the 4th IShamrock Software Design Competition**.
- 2007 **First Prize in National Olympiad in Informatics in Provinces**.

Publications

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

Qiaomu Shen, Tongshuang Wu, Haiyan Yang, **Yanhong Wu**, Huamin Qu, and Weiwei Cui. Nameclarifier: A visual analytics system for author name disambiguation. In *IEEE Transactions on Visualization and Computer Graphics (Proceedings of VAST)*, October 2016.

Yanhong Wu, Nan Cao, Daniel Archambault, Qiaomu Shen, Huamin Qu, and Weiwei Cui. Evaluation of graph sampling: A visualization perspective. In *IEEE Transactions on Visualization and Computer Graphics (Proceedings of InfoVis)*, October 2016.

Jian Zhao, Michael Glueck, Fanny Chevalier, **Yanhong Wu**, and Azam Khan. Egocentric analysis of dynamic networks with egolines. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI)*, April 2016 (**Best Paper Honorable Mention**).

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.

Invited Talks

- 2015.10 **EgoSlider: Visual Analysis of Egocentric Network Evolution**, VIS, Chicago, U.S..
- 2015.4 **Interactive Visual Summary of Major Communities in a Large Network**, PacificVis, Hangzhou, China.

Community Involvement

- Reviewer IEEE Transactions on Visualization and Computer Graphics (TVCG), 2016
- IEEE Transactions on Multimedia (TMM), 2016
- IEEE VIS (VAST, InfoVis, and SciVis) Conference, 2016
- IEEE Eurographics/VGTC Symposium on Visualization (EuroVis), 2016
- International Symposium on Graph Drawing & Network Visualization (GD), 2016
- IEEE Pacific Visualization (PacificVis) Symposium, 2016
- China Visualization and Visual Analytics Conference (ChinaVis), 2016
- IEEE VAST Challenge, 2015, 2016
- Student Volunteer SIGGRAPH Asia, Kobe, Japan, 2015

Skills and Languages

- 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)