

# 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, Graph Visualization, and Social Network Analysis**
- 2009.9–2013.6 **Bachelor of Engineering**, *Software School, Fudan University*, Shanghai, China.
- Selected Courses: Algorithm&Data Structure Design, Operating System, Compilers, Computer Networks, Database, Web Technology, Software Engineering, etc.

## Working/Research Experience

- 2015.6–Present Research Intern, **Microsoft Research Asia**, Beijing, China.
- Mentor: **Dr. Weiwei Cui**
  - Evaluate how different graph sampling strategies affect human perception in graph visualization.
- 2013.10–2014.8 Research Assistant, **Hong Kong University of Science and Technology**, Hong Kong.
- Supervisor: **Prof. Huamin Qu**
  - 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 and profiled eBay's cloud service system OpenStratus based on OpenStack.
  - Programming: **Java, Shell Scripts, OpenStack, KVM**
- 2011.2–2012.10 Undergraduate Researcher, **Fudan University**, Shanghai, China.
- Supervisor: **Prof. Haibo Chen**
  - Participated in developing ReEmu: a scalable parallel full system emulator (published at PPOPP'13).
  - Programming: **C, Ruby, Shell Scripts, QEMU**

## Awards and Honors

- 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 Transactions on Visualization and Computer Graphics (TVCG)*, 2015 (accepted with minor revision; final acceptance notification will be sent out by July 11th).

**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.

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## 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 Scripts**
- 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**

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## Teaching Experience

- 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.

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## Skills and Hobbies

- 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)
- Hobbies Playing guitar, Reading