Suiming Guo

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Education

Aug, 2013- Present

PhD Candidate, Department of Information Engineering
The Chinese University of Hong Kong, Hong Kong
Supervisor: Prof. Dah Ming Chiu

Aug, 2011- July, 2013

M. Sc, Department of Electronic Engineering
Tsinghua University, Beijing
Supervisor: Prof. Xing Li

Sep, 2007 – July, 2011

B. Eng, Department of Electronic Engineering,
Tsinghua University, Beijing
GPA: 91.0 **Ranking**: 15/260

Aug, 2009 – Dec, 2009

Visiting Student, Department of Electrical and Computer Engineering
University of Toronto, Canada
GPA: 4.0 (All A+)

Publications

(1) **Dynamic Pricing in Ride-on-demand Service**:

1. Suiming Guo, Chao Chen, Yaxiao Liu, Ke Xu, Dah Ming Chiu, ***It Can be Cheaper: Using Price Prediction to Obtain Better Prices from Dynamic Pricing in Ride-on-demand Services***, in 14th Annual International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous 2017) (accepted), Melbourne, Australia.

2. Suiming Guo, Chao Chen, Yaxiao Liu, Ke Xu, Dah Ming Chiu, ***Modelling Passengers' Reaction to Dynamic Prices in Ride-on-demand Services: A Search for the Best Fare***, submitted to Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) (under major revision).

3. Suiming Guo, Yaxiao Liu, Ke Xu, Dah Ming Chiu, ***Understanding Passenger Reaction to Dynamic Prices in Ride-on-demand Service***, in 2017 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), Hawaii, USA, 2017.

4. Suiming Guo, Yaxiao Liu, Ke Xu, Dah Ming Chiu, ***Understanding Ride-on-demand Service: Demand and Dynamic Pricing***, in 2017 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), Hawaii, USA, 2017.

(2) **Content Delivery to Smart Homes**:

5. Suiming Guo, Liang Chen, Dah Ming Chiu, ***An Incentive-based Mixed QoE Framework for Content Delivery to Smart Homes***, in 26th International Conference on Computer Communications and Networks (ICCCN 2017), Vancouver, Canada, 2017.

6. Suiming Guo, Liang Chen, Dah Ming Chiu, ***DST: Leveraging Delay-insensitive Workload in Cloud Storage for Smart Home Network***, in 24th International Conference on Computer Communications and Networks (ICCCN 2015), Las Vegas, USA, 2015.

7. Liang Chen, Suiming Guo, Guoqiang Zhang, ***Distributing Very-large Content from Cloud to Smart Home Hubs: Measurement and Implications***, in The 2015 IEEE International Conference on Communications (ICC 2015).

8. Suiming Guo, Liang Chen, Guoqiang Zhang, Dah Ming Chiu, ***Batching for Smart Home: Leveraging***

Delay-insensitive Workload in Cloud Storage, in 7th International Conference on COMmunication Systems & NETworkS (COMSNETS 2015), Bangalore, India, 2015.

(3) **Scalable, Standard-definition, Low-latency Video Conferencing Systems**:

9. <u>Suiming Guo</u>, Congxiao Bao, Xing Li, ***Scalable Distributed Standard Definition Video Conferencing System: Architecture and Forwarding Model***, in 2012 National Conference on Information Technology and Computer Science (EI Indexed).

10. 李星, <u>郭穗鸣</u>, 包丛笑, ***可扩展分布式标清视频会议系统：结构和转发模型***, 清华大学学报：自然科学版 52(9), pp 1275—1280, 2012.

Awards

1. 2013-2016: Hong Kong PhD Fellowship (HKPFS) (Only 185 awardees out of 4785 applicants around all Hong Kong universities.)
2. 2011-2012: First Class Scholarship for All-round Performance, Tsinghua University (Top 1%.)
3. 2008-2009: First Class Scholarship for Academic Performance, Tsinghua University (Top 5%)
4. 2009-2010: First Class Scholarship for Academic Performance, Tsinghua University (Top 5%)
5. 2010'*Honorable Mention Award*, MCM (Mathematical Contest in Modeling)
6. 2006' Silver Medal, China Physics Olympic (CPhO)

Interns

1. Software Development Engineer Intern in *Microsoft Asia & Pacific Research Development Group (Beijing)*, ***January 2012 – June 2012.***
    a) Worked as a member of the *Exchange Manageability Team* of *Microsoft Office Division*.
    b) Engaged in improving code coverage of the product and helped in the perfection of the unit-test framework. Wrote test cases to test and guarantee the quality of the product.
    c) Engaged in bug testing and fixing of the product.
    d) Extended the product test infrastructure to support "debug mode", facilitating the debug process of both developers and tester.

2. Software Development Engineer Intern in *China Education & Research Network (CERNET, Beijing)*, ***April 2012 – August 2012.***
    a) Responsible for the research and development of DVTS+ (*Digital Video Transport System Plus*, a multi-point standard-definition video conferencing system).
    b) Designed the architecture and implemented a new version of DVTS+, *the Distributed DVTS+*, supporting more than one video stream transmitters and increasing system scalability and capacity.
    c) Improved the GUI of the existing DVTS+ and added new functionality to the system.

3. Software Development Engineer Intern in *Shenzhou UCar Inc. (Beijing)*, ***February 2016 – March 2016.***
    a) Responsible for the data collection and data analysis of Shenzhou UCar's ride-on-demand service, including the data of orders, GPS trajectories, payment and event-logs.
    b) Responsible for the study on ride-on-demand service, including data analysis, demand and dynamic pricing, passengers' behavior, etc.
    c) Engaged in the study about applying different schemes to influence drivers' behavior to improve service efficiency.