

# Junxian Huang

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Department of Computer Science

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## Education

Ph.D. Computer Science, *The University of Michigan*, Ann Arbor (2008 - 2013 expected)

B.S. Computer Science, *Tsinghua University*, Beijing (2004 - 2008)

## Internship

*Microsoft Research Silicon Valley*, summer intern (May, 2010 - August, 2010)

*Microsoft Research Asia*, summer intern (June, 2007 - January, 2008)

## Publications

SocialWatch: Detection of Online-Service Abuse via Large-Scale Social Graphs.

*Junxian Huang, Yinglian Xie, Fang Yu, Qifa Ke, Martin Abadi, Eliot Gillum, and Z. Morley Mao.*

Under review, available upon request

Innocent by Association: Early Recognition of Legitimate Users.

*Yinglian Xie, Fang Yu, Qifa Ke, Martin Abadi, Eliot Gillum, Junxian Huang and Z. Morley Mao.*

Under review, available upon request

A Close Examination of Performance and Power Characteristics of 4G LTE Networks.

*Junxian Huang, Feng Qian, Alexandre Gerber, Z. Morley Mao, Subhabrata Sen, and Oliver Spatscheck.*

Under review, available upon request

Periodic Transfers in Mobile Applications: Network-wide Origin, Impact, and Optimization.

*Feng Qian, Zhaoguang Wang, Yudong Gao, Junxian Huang, Alexandre Gerber, Z. Morley Mao, Subhabrata Sen, and Oliver Spatscheck.*

To appear in **WWW 2011**

Cellular Data Network Infrastructure Characterization and Implication on Mobile Content Placement.

*Qiang Xu, Junxian Huang, Zhaoguang Wang, Feng Qian, Alexandre Gerber, Z. Morley Mao.*

**Sigmetrics 2011**

Anatomizing Application Performance Differences on Smartphones.

*Junxian Huang, Qiang Xu, Birjodh Tiwana, Z. Morley Mao, Ming Zhang, Paramvir Bahl.*

**Mobisys 2010, Best paper runner-up**

## Honors and Awards

2011 - Runner-up of the Fall 2011 University of Michigan Mobile Apps Challenge

2011 - Winners of the **FCC Open Internet App Challenge** in [Challenge.gov](http://Challenge.gov)

In the categories of "Open Internet App Award" and "People's Choice App".

Project: "MobiPerf: Mobile Network Measurement System"

*University of Michigan and Microsoft Research*

2010 - Winner of Yahoo Hack U Competition in University of Michigan

2010 - Runner-up of the Spring 2010 University of Michigan Mobile Apps Challenge

2010 - MobiSys 2010 Student Travel Grant

2008 - Excellent Graduation Award

2006 - First-Class award in the Collegial Physics Competition in Beijing, China

2005 - Admitted into the Special Pivot Yao Class supervised by Turing Award winner, Prof. Andrew Chi-Chih Yao, 24 students selected campus-wise

2004 - First-Class Scholarship for Freshman in Tsinghua University

2004 - Ranked 4th in  $\sim 400,000$  examinees in National College Entrance Exam in Hubei Province, China

2003 - First-Class Prize in the National Physics Olympiad in Hubei, China

## Teaching

Teaching Assistant in EECS 489, Computer Networks (Winter, 2011)