

# Mengzhi Wang

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CONTACT INFORMATION	Wean Hall 8102 Computer Science Department Carnegie Mellon University Pittsburgh, PA 15213 USA	<i>Cell:</i> (412) 608-5203 <i>Home:</i> (412) 521-4198 <i>E-mail:</i> mzwang@cs.cmu.edu <i>WWW:</i> www.cs.cmu.edu/~mzwang
RESEARCH INTERESTS	Performance modeling of storage systems, database systems, workload characterization, and data mining.	
EDUCATION	<b>Carnegie Mellon University</b> , Pittsburgh, Pennsylvania USA Ph.D. Candidate, September 1999 (expected graduation date: May 2005) <ul style="list-style-type: none"><li>• Advisor: Anastassia Ailamaki</li><li>• Dissertation Topic: Storage device performance modeling using machine learning techniques</li></ul> <b>Fudan University</b> , Shanghai, P.R.China M.S., Computer Science Department, May, 1999 <b>Fudan University</b> , Shanghai, P.R.China B.A., Computer Science Department, May, 1996	
HONORS AND AWARDS	Best student paper award in Performance 2002 IBM CAS Fellowship 2001-2004 Certified IBM UDB operator and administrator	
TEACHING EXPERIENCE	<i>Teaching assistant</i> , Carnegie Mellon University, USA <ul style="list-style-type: none"><li>• 15-721 Database management systems</li><li>• Instructor: Anastassia Ailamaki</li><li>• Course web page maintenance, homework design, and grading.</li></ul> <i>Teaching assistant</i> , Carnegie Mellon University, USA <ul style="list-style-type: none"><li>• 15-213 Introduction to computer systems</li><li>• Instructor: Gregory Kesden</li><li>• Shared responsibility for recitation, homework, projects, exams, and grading.</li></ul> <i>Invited instructor</i> , IBM Shanghai, P.R.China <ul style="list-style-type: none"><li>• IBM AS 400 Operator</li><li>• Presentation and leading labs</li></ul> <i>Teaching assistant</i> , Fudan University, P.R. China <ul style="list-style-type: none"><li>• Calculus</li><li>• Homework design, grading, and office hours.</li></ul>	<b>Spring 2004</b>     <b>Spring 2001</b>     <b>Spring 1999</b>     <b>Fall 1997</b>
PUBLICATIONS	Mengzhi Wang, Kinman Au, Anastassia Ailamaki, Anthony Brockwell, Christos Faloutsos, and Gregory R. Ganger. Storage device performance modeling with CART models. MAS-COTS 2004. Extended version available as CMU Tech report CMU-PDL-04-103. Also presented as a poster paper in SIGMETRICS 2004.	

Mengzhi Wang, Anastassia Ailamaki, and Christos Faloutsos. Capturing the Spatio-Temporal Behavior of Real Traffic Data. Performance 2002 (IFIP Intl. Symp. on Computer Performance Modeling, Measurement, and Evaluation), Rome, Italy. (**Best student paper award.**)

Mengzhi Wang, Tara Madhyastha, Ngai Hang Chan, Spiros Papadimitriou, and Christos Faloutsos. Data Mining Meets Performance Evaluation: Fast Algorithms for Modeling Bursty Traffic. The 18th Internal Conference on Data Engineering, 2002. Also available as CMU Technical Report CMU-CS-01-101.

PROFESSIONAL  
EXPERIENCE

**Internship**, IBM Toronto, Canada Summer 2002  
Data cache performance with DB2 performance group

**Internship**, IBM Toronto, Canada Summer 2000  
Hierarchical storage performance with DB2 performance group

PROFESSIONAL  
ACTIVITIES

**External reviewer** for CIDR, ICDE, SIGMOD, VLDB, and IBM System Journal.

**Reviewer** for SOCS-4 and SOCS-6 (the annual CMU Symposium On Computer Systems).

**Database seminar manager** in Spring 2002, Fall 2004, and Spring 2005.

COMPUTER SKILLS

- Languages: C, C++, Perl, awk, Unix shell scripts
- Tools: Splus, DiskSim, Simics, SimpleScalar
- Applications: DB2

IMMIGRATION  
STATUS

Permanent resident

REFERENCES

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