

# Lei Chen

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## RESEARCH INTERESTS

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- New data mining applications and algorithms
  - Application of data mining technology in the science analysis
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## EDUCATION

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**University of Wisconsin**, Madison, WI ■ 2001 - Now

**Ph.D.** student in Computer Sciences

Research interest: Data Mining and Spatiotemporal Database

Advisor: Raghu Ramakrishnan

Minor: Statistics

**Tsinghua University**, Beijing, China ■ 1997-2001

**B.S.** in Computer Sciences

GPA: 3.7/4.0

Graduate with honor

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## AWARDS

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- Fourth Place & Asian Champion, ACM ICPC World Finals, 2000
  - Gold Medal, International Olympiad in Informatics (IOI'96), 1996
  - 11th Place, ACM International Collegiate Programming Contest World Finals, 2002
  - Bronze Medal, International Olympiad in Informatics (IOI'97), 1997
  - IBM Scholarship, Tsinghua University, 2001
  - Outstanding student scholarship, Tsinghua University, 1997-2000
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## EXPERIENCE

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At the University of Wisconsin – Madison :

**Teaching Assistant** – “Database Management System.” ■ 2002-2003  
Using Minibase to develop student course projects.

**Research Assistant** – Edam project ■ 2002-current  
Exploratory Data Analysis and Management System

**Research Assistant** – Condor project ■ 2002  
Distribution Package for High Throughput Computing Software

At the IBM Almaden Research Center:

**Summer Intern** – CRXML project ■ May, 2002 – August, 2002

New generation of XML content management and routing engine

At the IBM China Research Lab:

**Summer Intern** ■ 2000

Java-based Chinese Input Method over Internet

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**PUBLICATIONS AND PAPERS**

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- Lei Chen, Zheng Huang, Raghu Ramakrishnan, Cost-Based Labeling of Groups of Mass Spectra. In Proc. of SIGMOD Conference 2004
- Zheng Huang, Lei Chen, Jin-Yi Cai, David Musicant, Deborah S. Gross, Raghu Ramakrishnan, James J. Schauer, Stephen J. Wright, "Mass Spectra Labeling : Theory and Practice", ICDM, 2004
- Raghu Ramakrishnan, James J.Schauer, Lei Chen, Zheng Huang, Martin M. Shafer, Deborah S. Gross, David R. Musicant, "The EDAM Project: Mining Atmospheric Aerosol Datasets" (to appear)

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**REFERENCES**

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Available upon request