

Chuancong Gao

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Research Interests

- Association Rule Mining and Applications
- Stream Data Processing
- Uncertain Data
- User Experience / Interaction Study
- Information Extraction
- Spatiotemporal Data

Working Experience

Aug 2010 - Present **Max-Planck Institute for Informatics**, Saarbrucken, Germany
Research Intern
Database Department
Advisor: Dr. **Sebastian Michel**

Education

Sep 2007 - Jul 2010 **Tsinghua University**, Beijing, China
M.Sc. in Computer Science and Technology
Database Laboratory
Advisor: Prof. Dr. **Jianyong Wang**
Overall GPA: 89.7 / 100 (16th of 151 M.Sc. Students)
Major GPA: 91.48 / 100

Sep 2003 - Jun 2007 **Shandong University**, Jinan, China
B.Sc. in Computer Science and Technology
Overall GPA: 83.72 / 100
Major GPA: 86.51 / 100

Publications

Published:

Chuancong Gao, Jianyong Wang. **Direct Mining of Discriminative Patterns for Classifying Uncertain Data.** To Appear in Proceedings of the 16th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Washington, DC, USA, Jul 2010. (KDD'10 Research Paper, Acceptance Rate: 17%)

Chuancong Gao, Jianyong Wang. **Efficient Itemset Generator Discovery Over a Stream Sliding Window.** 18th ACM Conference on Information and Knowledge Management, Hong Kong, China, Nov 2009. (CIKM'09 Full Paper, Acceptance Rate: 14.5%)

Chuancong Gao, Jianyong Wang, Yukai He, Lizhu Zhou. **Efficient Mining of Frequent Sequence Generators.** 17th International World Wide Web Conference, Beijing, China, Apr 2008. (WWW'08 Poster Paper, Acceptance Rate: 48.3%, **Best Poster Award** (3 / 116))

In Progress:

Chuancong Gao, Jianyong Wang, Yukai He, Lizhu Zhou. **Efficient Sequence Generator Mining and its Application in Classification** Preparing for IEEE Transactions on Knowledge and Data Engineering. (IEEE TKDE Journal, extended from WWW'08 Poster "Efficient Mining of Frequent Sequence Generators.")

Chuancong Gao, Qingyan Yang, Jianyong Wang. **Efficient Discovery of Closed Sequential Patterns over a Stream Sliding Window**. Hidden for Double-Blind Review.

Chuancong Gao, Qingyan Yang, Jianyong Wang. **SEQUEL: Query Completion via Frequent Pattern Mining on Multi-Column Structural Data**. Submitted to 19th ACM Conference on Information and Knowledge Management, Toronto, Canada, Oct 2010. (CIKM'10 Demo Paper)

Honors and Awards

- Oct 2008 Morgan Stanley Scholarship of Tsinghua University - CNY 10,000
(Top Class, 1 of 15 in Tsinghua University in 2008 for all Master Students)
- May 2008 WWW 2008 Best Poster Award (1 of 3 Best Posters in 116 Posters)
- Jun 2007 University Class Excellent Undergraduate Dissertation of Shandong University
(Advised by Prof. Dr. Li Lian)
- Oct 2006 Second Class Scholarship of Shandong University - CNY 2,000
- Oct 2005 Third Class Scholarship of Shandong University - CNY 1,000
- May 2005 First Prize of NEC Programming Competition in Shandong University (Campus Class)
- Nov 2003 Third Class Enrollment Scholarship of Shandong University - CNY 5,000

Professional Services

Secondary Reviewer:

- 2009 Ninth IEEE International Conference on Data Mining (ICDM'09)
- The 15th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'09)
- 2009 SIAM International Conference on Data Mining (SDM'09)
- 2008 Eighth IEEE International Conference on Data Mining (ICDM'08)
- The 14th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'08)

Research Activities

- Jul 2008 7th of 245 Submissions in Challenge 1 of ACM SIGKDD KDD Cup 2008

Teaching Experiences

- Fall 2009 Teaching Assistant of Graduate Student Class "Data Mining"
Department of Computer Science and Technology, Tsinghua University
Supervised Project: Uncertain Decision Tree Classification
- Fall 2008 Teaching Assistant of Graduate Student Class "Data Mining"
Department of Computer Science and Technology, Tsinghua University
Supervised Project: Directly Mining of Associative Classification Rules

Technical Profile

Qualifications:

- Qualification Certificate of Computer and Software Technology Proficiency for System Analyst (approved and authorized by Ministry of Information Industry and Ministry of Personnel of China)

Skills:

- Programming using C++, C#, Python, Powershell, SED, AWK

Language Skills

Mandarin:

Native Language

English:

TOEFL IBT (Oct 2009): Reading: 28 / 30 Listening: 21 / 30 Speaking: 17 / 30
Writing: 22 / 30 Overall: 88 / 120

Personal Profile

Date of Birth: Sep 1st, 1985

Gender: Male

Nationality: China

References

Homepage: <http://dbgroup.cs.tsinghua.edu.cn/chuancong/>

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Max-Planck Institute for Informatics, Saarbrucken, Germany

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<http://qid3.mmci.uni-saarland.de/people/sebastian.html>

Jianyong Wang, Ph.D., Associate Professor

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Other references are available upon request.

Updated at Jun 24, 2010