



CONFERENCE  
PUBLICATIONS

**Alexander Behm, Chen Li, Shengyue Ji, Jiaheng Lu**, *Space-Constrained Gram-Based Indexing for Efficient Approximate String Search*, ICDE 2009

**Alexander Behm, Volker Markl, Peter J. Haas, Keshava Murthy**, *Integrating Query-Feedback Based Statistics into Informix Dynamic Server*, BTW 2007

ACADEMIC  
EXPERIENCE

University of California, Irvine, CA USA

*Teaching Assistant*

**September 2008 to present**

- Assisted undergraduate course *Introduction to Data Management*, proving homework, exams, grading criteria and student guidance on projects
- Supervised student projects and evaluated individual project phases for undergraduate course *Projects in Database Management*.

*Reader*

**September 2007 to June 2008**

- Devised grading criteria and evaluated individual project phases for undergraduate course *Projects in Database Management*.
- Evaluated quizzes, homework and exams for undergraduate course *Programming Languages*.
- Collaborated with co-instructor to create exams and homework for graduate course *Internet* and exercised grading thereof.

**TECHNICAL SKILLS** Extensive experience in designing and implementing information systems using C/C++, Java and Hadoop. Exceptional expertise in indexing techniques and algorithms for approximate string matching.

**Development:** C/C++, Java, SQL, XQuery, XPath, Google Protocol Buffers, Subversion and more. Designed and developed significant portion of *The Flamingo Package for Approximate String Matching* in C/C++ (<http://flamingo.ics.uci.edu>).

**Hadoop:** Setup and administration, inverted-index construction, PageRank, collection-wide statistics generation, and more.

**Applications:** L<sup>A</sup>T<sub>E</sub>X, B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>, GnuPlot, Microsoft Office, and other common productivity packages for Linux and Windows platforms.

**Relevant Graduate Courses:** CS222: Database Management Systems (grade A), CS223: Transaction Processing (grade A), CS224: Advanced Topics in Data Management (grade A), CS230: Distributed Systems (grade A+), CS221: Information Retrieval (grade A+), CS295: XML Data Management (grade A).

**PERSONAL SKILLS** **Languages:** English (native), German (native), French (8 years of instruction)

Competence in presentation techniques acquired during training at IBM and at undergraduate university.

Interpersonal and intercultural proficiency gained during international work/study experience and enhanced with undergraduate courses specifically on this subject.

LEISURE

Tennis, squash, timber challenge, frisbee, computer gaming, vegetarian/vegan cooking