

## Arun Bhalla

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### TECHNICAL SKILLS

**Languages:** C/C++, C#, Perl, Java, SQL, HTML, XML, JavaScript, Scheme, 80x86 Assembly, Python, PHP.  
**Platforms:** UNIX (Linux, Solaris, DG/UX, SCO), Windows XP, MacOS.  
**Technologies:** TCP/IP, Apache, MySQL, PostgreSQL, mod\_perl, DBD/DBI, lex/yacc, Pthreads, MPI, COM.  
**Tools:** GCC, GDB, GNU Make, CVS, Microsoft Visual Studio .NET, AutomatedQA Aqtime .NET.

### EXPERIENCE

**Vizit Development Laboratory** University of Illinois at Urbana-Champaign  
*Lead Software Engineer* 9/2000 – Present

- Technical lead for a team of five developers.
- Redesigned project from a Java application to an Internet Explorer toolbar (written in C#) in five months.
- Integrated other systems via XML, earning the 2003 NCSA Industrial Grand Challenge Award.
- Analyzed and optimized critical functions.
- Researched and implemented Web document clustering algorithms.
- Maintained and administrated Web server and CVS server.
- Built and distributed new product releases on a biweekly basis.
- Influenced hiring decisions for expanding the development team.

**On the Job Consulting** Urbana, IL  
*Software Developer* 6/2000 – 8/2000

- Developed a mortgage e-commerce site for Cargan City using Perl and MySQL.
- Developed online workbooks for McGraw-Hill textbooks using Java.

**United States Geological Survey** Urbana, IL  
*Lead Programmer* 10/1996 – 5/2000

- Technical lead for a team of six developers across four states.
- Engineered and developed nationally deployed data distribution packages.
- Maintained and administrated district and national Web servers.

### EDUCATION

University of Illinois at Urbana-Champaign December 2003  
Master of Science in Computer Science  
Concentration in Machine Learning and Data Mining  
Thesis: Clustering Web Documents Using Frequent Phrases  
GPA: 3.36/4.0

University of Illinois at Urbana-Champaign May 2000  
Bachelor of Science in Computer Science (with Honors), College of Engineering  
Bachelor of Arts in Linguistics, College of Liberal Arts and Sciences  
GPA: 3.7/4.0

### HONORS AND AWARDS

Dean's List (1996-2000)  
Edmund J. James Scholar (1996-2000)  
National Merit Finalist (1996)  
Crowe Chizek Outstanding Computer Science Student Scholarship (1999)  
Third-place team of ACM@UIUC's MechMania C++/AI Programming Contest (1998)

### ADDITIONAL EXPERIENCE

*Secretary, Board of Directors*, WEFT Community Radio Station (Prairie Air, Inc.)  
*Technical Editor*, John Wiley & Sons (*Macromedia Flash MX ActionScript Bible*)  
*Corresponding Secretary*, Tau Beta Pi National Engineering Honors Society  
*At-Large Member*, IMSA Alumni Association