

Jonathan B. Su

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OBJECTIVE

To contribute to the development of innovative and leading-edge software in the field of computer science and engineering at an industry leading corporation or university.

EDUCATION

2002-Present University of Washington Seattle, WA

B.S. in Computer Engineering, expected June 2006

- GPA 3.95/4.0
- Courses in Formal Models, Machine Organization and Assembly Language, Programming Languages (Lisp, Perl, Prolog, ML, Java), Compilers, Networking, Data Structures, Discrete Mathematics, Digital Design (Verilog), Calculus, Matrix Algebra, Statistics, Differential Equations, Electromagnetics, Waves and Oscillatory Motion

EXPERIENCE

June 2004 – Present Microsoft Corp. Redmond, WA

Software Design Engineer Intern

- Working on Windows Subscription Services that provide a means for Windows users with little to no computer knowledge to keep their systems up-to-date automatically. Mentored by Trevor Foucher (Dev Lead) and Salim Chawro (Development Manager)

June 2003 – Present UW Dept. of Computer Sci. & Engr. Seattle, WA

Undergraduate Research Assistant

- Advised by Professor Richard Anderson. Ongoing development for UW Presenter classroom presentation software in collaboration with Microsoft Research's ConferenceXP project. Investigated methods of using recognition of annotational marks to extrapolate information from lecture content. Implemented mechanisms for real-time student-instructor interaction using in-class Tablet PCs. Please see <http://www.cs.washington.edu/education/dl/presenter/> for more info.

June 2002 – Sept. 2002, June 2001 – Aug. 2001 Microsoft Corp. Redmond, WA

Software Design Engineer Intern

- Architected data transfer structures between User Interface and the back-end database for DealPoint, Microsoft's Version 1 web-based Enterprise business application. Extensive development in Visual Basic, XML, ASP, COM+, and SQL. Mentored by Daniel Moore (Program Manager) and David Spangler (Dev Lead).

June 2000 – March 2001 Microsoft Corp. Redmond, WA

Software Test Engineer Intern

- Worked on the SharePoint Portal Server product as a web-tools developer. Learned many new aspects and tools of website development, including JavaScript. Ran Acceptance and Usability tests between SharePoint and Windows Millennium and Office XP. Experience in bug-reporting tools. Mentored by Madhusri Movva (Software Test Engineer) and Rick Rogahn (Web Developer)

TECHNICAL SKILLS

- C#, Java, C++/C, ASP, SQL, XML, Lisp
- Windows XP/2000/NT/9x/3.x, DOS
- Visual Studio.NET, Visual Studio 6.0, Visual SourceSafe
- Cisco Certified Network Technician

PUBLICATIONS

Richard Anderson, Crystal Hoyer, Craig Prince, Jonathan Su, Fred Videon, Steve Wolfman. **Speech, Ink, and Slides: The Interaction of Content Channels.** To appear in *Proceedings of the ACM Multimedia 2004*, New York, October 2004.

Richard Anderson, Ruth Anderson, Crystal Hoyer, Craig Prince, Jonathan Su, Fred Videon, Steve Wolfman. **Understanding Digital Ink in Lecture.** To appear in *Proceedings of AAAI Fall Workshop on Making Pen-Based Interaction Intelligent and Natural*, Washington D.C., October 2004.

Beth Simon, Ruth Anderson, Crystal Hoyer, and Jonathan Su. **Preliminary Experiences with a Tablet PC Based System to Support Active Learning in Computer Science Courses.** In *Proceedings of the 9th Annual Conference on Innovation and Technology in Computer Science Education (ITICSE '04)*, Leeds, UK, June 2004.

Richard Anderson, Ruth Anderson, Crystal Hoyer, Craig Prince, Jonathan Su, Fred Videon and Steve Wolfman. **A Study of Diagrammatic Ink in Lecture.** To Appear, *Computers and Graphics* (revised AAAI FSS Paper).

HONORS

Barry M. Goldwater National Scholar, 2004 - 2006
Washington Research Foundation Research Fellowship for Advanced Undergraduates, 2004 -2006
UW Undergraduate Research Travel Grant, 2004
Mary Gates Undergraduate Research Training Grant, 2003-2004
Mary Gates Scholar, 2003-2006
UW College of Engineering Emerging Leader Scholarship, 2003
UW Honors Program Scholarship, awarded to the top UW student in the Natural Sciences, 2003
Boeing Employees Credit Union Scholarship for Leadership and Community Service, 2002
National Merit Scholarship, 2002-2006
Robert C. Byrd Honors Scholarship, 2002-2006
Washington State Scholar Award, 2002-2006
University of Washington NASA Space Grant Scholar, 2002-2006
University of Washington Undergraduate Scholarship Awardee, 2002-2004
Annual Dean's List, 2002-2004
National Youth Science Camp Delegate (2 delegates per state), June 2002

ACTIVITIES

2004 – Present, Vice – Chair
Association for Computing Machinery, UW Chapter, Seattle, WA
2004 – Present, Volunteer Tutor
Women in Science and Engineering, UW, Seattle, WA
1998 – Present, Donor Registration and Monitor Volunteer/ New Volunteer Trainer
Puget Sound Blood Center, Bellevue, WA
1999 – Present, Webmaster Volunteer
Whispering Heights & Collingwood Community Association, Bellevue, WA

PERSONAL

Born May 16, 1985 in Memphis, Tennessee.
United States citizen.
Speak fluent Chinese.