

SASA JUNUZOVIC

Graduate Student – 6th Year Computer Science Ph.D.

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OBJECTIVE

After obtaining my Ph.D. degree, to continue to advance the field of distributed collaboration through an academic or industry research position.

EDUCATION

6th Year Ph.D. Computer Science Student, Distributed Collaboration

University of North Carolina at Chapel Hill, North Carolina, USA

- Estimated Graduation Date: December 2009
- GPA: 4.0

Honors Coop Bachelor of Mathematics with Information Systems Option

University of Waterloo, Ontario, Canada, April 2004

- Cumulative average: 91% (GPA: 4.0)
 - Graduated on the Dean's Honors List
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RESEARCH

Distributed Collaboration Research Assistantship, University of North Carolina at Chapel Hill

Chapel Hill, North Carolina, USA

August 2004 –Present

- My main focus is on the performance of collaboration architectures. I have designed and published multiple performance models covering a wide range of collaboration conditions. I am interested in applying my performance models in existing systems at runtime to improve performance.
 - I am also interested in awareness in synchronous multi-user editors and distributed meeting systems. Moreover, I am interested in user interfaces and technologies for next-generation videoconferencing (telepresence) applications.
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AWARDS

- Microsoft Research Fellow. 2008.
 - NSERC PGS D Scholarship. 2008.
 - Fellows for Tomorrow Scholarship. 2004.
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PATENT APPLICATIONS

- Rajesh Hegde, Zhengyou Zhang, Phil Chou, Cha Zhang, Zicheng Liu, and Sasa Junuzovic. "Spatial Browsing of Meetings." (in submission)
 - Sasa Junuzovic, Rajesh Hegde, Li-wei He, Zhengyou Zhang, and Steven Drucker. "Persistent Collaborative Framework for Interactive Web Applications." US Patent 20080168139. Issued on Jul 10, 2008.
 - Sasa Junuzovic, Prasun Dewan, and Yong Rui. "Virtual Shadow Awareness for Multi-user Editors." US Patent 20070186171. Issued on Aug 9, 2007.
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PUBLICATIONS

Conference Proceedings

- Junuzovic, S. and Dewan, P. "Lazy Scheduling of Processing and Transmission Tasks in Collaborative Systems." GROUP 2009.
- Junuzovic, S. and Dewan, P. "Serial vs. Concurrent Scheduling of Transmission and Processing Tasks in Collaborative Systems." CollaborateCom 2008.
- Junuzovic, S., Hegde, R., Zhang, Z., Chou, P., Liu, Z., and Zhang, C. "Requirements and Recommendations for an Enhanced Meeting Viewing Experience." MM 2008. (Acceptance Ratio: 0.19)
- Junuzovic, S. and Dewan, P. "Multicasting for Application-Sharing Systems." CollaborateCom 2007.

- Junuzovic, S., Rui, Y., and Dewan, P. "Shadow-Based Read, Write, and Navigation Awareness." CollaborateCom 2007.
 - Prasun Dewan, Sasa Junuzovic, and Govindaraj Sampathkumar. "The Symbiotic Relationship between the Virtual Computing Lab and Collaboration Technology." ICVCI 2007.
 - Junuzovic, S. and Dewan, P. "Response Times in Centralized, Replicated, and Proximity-Based Hybrid Collaboration Architectures." CSCW 2006. (Acceptance ratio: 0.22)
 - Junuzovic, S., G. Chung, and Dewan, P. "Formally Analyzing Two-User Centralized and Replicated Architectures." ECSCW 2005. (Acceptance ratio: 0.19)
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TUTORIALS

- Dewan, P. and Junuzovic, S. "Hands-on Introduction to Synchronous Groupware." CSCW 2006.
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TEACHING

- Instructor for Intro to Programming – Comp 110. University of North Carolina at Chapel Hill. Fall 2007.
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ACADEMIC COMMUNITY

- Audio-Video Co-Chair – CSCW 2010
 - Reviewer – CHI, CSCW, EICS, Pacific Graphics
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WORK EXPERIENCE

Microsoft Research Contractor, Visualization and Interaction for Business and Entertainment Group

Redmond, Washington, USA

Aug 2009 – Sep 2009

- Details pending publication

Microsoft Research Intern, Visualization and Interaction for Business and Entertainment Group

Redmond, Washington, USA

May 2008 – Aug 2008

- Details pending publication

Microsoft Research Intern, Communication and Collaboration Systems Group

Redmond, Washington, USA

May 2007 – Aug 2007

- Implemented a new kind of distributed meeting viewer. User study comparing the new system and state-of-the-art systems revealed new recommendations and requirements for future meeting viewers.
 - Published in Multimedia 2008.

Microsoft Research Intern, Communication and Collaboration Systems Group

Redmond, Washington, USA

May 2006 – Aug 2006

- Implemented a persistent collaboration framework for interactive web applications.
 - US Patent 20090168139. Issued on Jul 10, 2008.

Microsoft Research Intern, Communication and Collaboration Systems Group

Redmond, Washington, USA

May 2005 – Aug 2005

- Implemented awareness mechanisms for a synchronous multi-user editor.
 - Published in CollaborateCom 2007.
 - US Patent 20070186171. Issued on Aug 9, 2007.

Other Internships

Software Design Engineer, Microsoft Corp, Redmond, WA (May – Aug 2004; May – Aug 2003); Application Developer, Toronto Stock Exchange (TSX Group), Toronto, ON, Canada (Sep – Dec 2002; Jan – Apr 2002); Software Developer, Mitra Imaging Inc, Waterloo, ON, Canada (Sep – Dec 2000; May – Apr 2001); Software Developer, MacLean Engineering & Marketing Co. Ltd (Jan – Apr 2000).