

# WILMOT LI

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## EDUCATION

- 2002-2008 Ph.D. in Computer Science  
**University of Washington**, Seattle, WA  
Advisors: David Salesin, Maneesh Agrawala, Brian Curless
- 2000-2002 M.S. in Computer Science  
**University of Washington**, Seattle, WA  
Advisor: David Salesin
- 1996-2000 B.S.E. in Computer Science (*cum laude*)  
**Princeton University**, Princeton, NJ

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## PUBLICATIONS

Exploded view diagrams of mathematical surfaces. O. Karpenko, W. Li, N. Mitra, M. Agrawala.  
To appear in *Proceedings of IEEE Vis 2010*, Salt Lake City, UT, 2010.

Creating collections with automatic suggestions and example-based refinement. A. Secord, H. Winnemöller, W. Li, M. Dontcheva. To appear in *Proceedings of UIST 2010*, New York, NY, 2010.

Illustrating how mechanical assemblies work. N. Mitra, Y. Yang, D. Yan, W. Li, M. Agrawala. ACM Transactions on Graphics (*Proceedings of SIGGRAPH 2010*), Los Angeles, CA, 2010.

Review of automatic document formatting. N. Hurst, W. Li, K. Marriott. In *Proceedings of DocEng 2009*, Munich, Germany, 2009.

Generating photo manipulation tutorials by demonstration. F. Grabler, M. Agrawala, W. Li, M. Dontcheva, T. Igarashi. ACM Transactions on Graphics (*Proceedings of SIGGRAPH 2009*), New Orleans, LA, 2009.

Automated generation of interactive 3D exploded view diagrams. W. Li, M. Agrawala, B. Curless, D. Salesin. ACM Transactions on Graphics (*Proceedings of SIGGRAPH 2008*), Los Angeles, CA, 2008.

Interactive cutaway illustrations of complex 3D models. W. Li, L. Ritter, M. Agrawala, B. Curless, D. Salesin. ACM Transactions on Graphics (*Proceedings of SIGGRAPH 2007*), San Diego, CA, 2007.

Painting with texture. L. Ritter, W. Li, M. Agrawala, B. Curless, D. Salesin. In *Proceedings of 17th Eurographics Symposium on Rendering*, Nicosia, Cyprus, 2006.

Interactive image-based exploded view diagrams. W. Li, M. Agrawala, D. Salesin. In *Proceedings of Graphics Interface 2004*, London, Canada, 2004. Awarded Michael AJ Sweeney Award for Best Student Paper

Adaptive document layout. C. Jacobs, W. Li, E. Schrier, D. Barger, D. Salesin. In *Communications of the ACM*, Vol. 47, No. 8, August 2004.

Adaptive grid-based document layout. C. Jacobs, W. Li, E. Schrier, D. Barger, D. Salesin. ACM Transactions on Graphics (*Proceedings of SIGGRAPH 2003*), San Diego, CA, 2003.

## PUBLICATIONS CONT'D

Adaptive document layout via manifold content. C. Jacobs, W. Li, D. Salesin. In *Proceedings of Web Document Analysis Workshop 2003*, Edinburgh, Scotland, 2003.

NPR virtual environments. A. Klein, W. Li, M. Kazhdan, W. Correa, A. Finkelstein, T. Funkhouser. In *Proceedings of SIGGRAPH 2000*, New Orleans, LA, 2000.

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## PATENTS

System and method for adaptive document layout via manifold content, with C. Jacobs and D. Salesin. Patent number 7,120,868, issued October 10, 2006.

System and method for creating interactive exploded view diagrams, with M. Agrawala. Filed 2004.

System and method for on-line and off-line advertising in content delivered to a display screen, with W. Hill, M. Cooper, and D. Salesin. Filed 2004.

System and methods for facilitating adaptive grid-based document layout, with D. Barger, C. Jacobs, E. Schrier and D. Salesin. Filed 2004.

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## EXPERIENCE

**Research assistant** 09/2001-06/2002 and 12/2004-12/2007

Computer Science, University of Washington, Seattle

Developed interactive visualization techniques for complex geometric models (Advisor: David Salesin)

**Research intern**, 09/2002-12/2004

Microsoft Research, Seattle

Intern with Document Processing & Understanding Group (Mentors: David Salesin, Maneesh Agrawala)

**Research intern**, 06/2001-09/2001 and 06/2002-9/2002

Microsoft Research, Seattle

Intern with Interactive Visual Media Group (Mentor: David Salesin)

**Teaching assistant** 03/2001-06/2001

Computer Science, University of Washington, Seattle

CSE 457 Computer Graphics (Instructor: Zoran Popović)

**Teaching assistant** 03/2002-06/2002

Computer Science, University of Washington, Seattle

CSE 142 Computer Programming (Instructors: Hal Perkins, John Zahorjan)

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## HONOURS

University of Washington Industrial Affiliates Meeting, Madrona Award for Best Poster, Runner-up, 2006

Graphics Interface, Michael AJ Sweeney Award for Best Student Paper 2004

NSERC Postgraduate Fellowship, 2001-2004

University of Washington Entrance Scholarship, 2000

Elected to Phi Beta Kappa, National Undergraduate Honour Society, 2000

Elected to Tau Beta Pi, National Engineering Honour Society, 1998

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## CONFERENCE TALKS

**Illustrating how mechanical assemblies work** (with Yongliang Yang and Dongming Yan)  
SIGGRAPH 2010, Los Angeles, CA, 2010.

**Generating photo manipulation tutorials by demonstration** (with Floraine Grabler)  
SIGGRAPH 2009, New Orleans, LA, 2009.

**Automated generation of interactive 3D exploded view diagrams**  
SIGGRAPH 2008, Los Angeles, CA, 2008.

**Interactive cutaway illustrations of complex 3D models**  
SIGGRAPH 2007, San Diego, CA, 2007.

**Painting with texture**  
EGSR 2006, Nicosia, Cyprus, 2006.

**Interactive image-based exploded view diagrams**  
Graphics Interface 2004, London, Canada, 2004.

**Adaptive grid-based document layout** (with Chuck Jacobs and Evan Schrier)  
SIGGRAPH 2003, San Diego, CA, 2003.

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## INVITED TALKS

**Adaptive layout techniques**  
Stanford University, Stanford, CA 2010

**Interactive illustrations of complex objects**  
Berkeley Institute of Design, Berkeley, CA, 2008.  
Adobe Systems, San Jose, CA, 2007.  
Summer Academy for Advancing Deaf and Hard of Hearing in Computing, UW, Seattle, WA, 2007.

**Interactive cutaway illustrations of complex 3D models**  
University of Toronto, Toronto, Canada, 2007.  
Design Machine Group, UW, Seattle, WA, 2006.

**Adaptive grid-based document layout**  
Stanford University, Stanford, CA, 2003.  
University of Toronto, Toronto, Canada, 2003.

**Adaptive document layout via manifold content**  
Web Document Analysis Workshop, Edinburgh, Scotland, 2003.

## OTHER PROFESSIONAL ACTIVITIES

**Reviewer** for ACM SIGGRAPH, ACM SIGGRAPH Asia, ACM UIST, ACM SIGCHI, ACM I3D, IEEE Visualization, Eurographics, EGSR (Eurographics Symposium on Rendering), NPAR (Non-Photorealistic Animation and Rendering), CAD

**Program committee member** for I3D (2009)

**Late-breaking program committee member** for ACM SIGGRAPH (2008-2009)

**General program jury member** for ACM SIGGRAPH (2008)