

CURRICULUM VITAE
François Guimbretière

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1. PERSONAL INFORMATION

a. Name and rank

François Victor Jacques Jérôme Guimbretière, Associate Professor

b. Educational background

Stanford University, Stanford, California, 9/94 – 4/02.

Ph. D. in Computer Science, 4/02, Research advisor: Terry Winograd.

M.S. in Computer Science, 6/97.

Ecole Supérieure d'Electricité, Gif-sur-Yvette, France, 9/87 – 6/90.

Diploma in Electrical Engineering, major in Artificial Intelligence, 6/90.

University of Nantes, Nantes, France, 9/85 – 6/87.

Diploma of Associate of Science, 6/87.

c. Employment background

Associate Professor, Computing and Information Science, Cornell University, Ithaca, NY 01/09 – present.

Associate Professor with Tenure, Computer Science Department with joint appointment in UMIACS, University of Maryland, College Park, 07/08 – 12/08.

Assistant Professor, Computer Science Department with joint appointment in UMIACS, University of Maryland, College Park, 08/02 – 07/08.

Visiting Scholar, Microsoft Research, 06/03 – 07/03 (Host: Mary Czerwinski).

Research Assistant, Human Computer Interaction Group, Stanford University, 09/97 – 04/02 (Research advisor: Terry Winograd).

Research assistant, Program Analysis and Verification Group, Stanford University, 01/95 – 08/97 (Research advisors: John Mitchell and David Luckham).

Intern at Rail Transportation Systems, New York, New York, 06/92 – 09/93.

Researcher at the SNCF (French railways) Research Center, Paris, 09/91 – 05/92.

Developer at Betel Ingenierie (now part of CSC Europe), Toulouse, 09/90 – 08/91.

Intern at the CNES (French National Space Agency), Toulouse, 05/90 – 06/90.

Intern at Dassault Electronique, Saint Quentin en Yvelines, 07/89 – 08/89.

2. RESEARCH, SCHOLARLY AND CREATIVE ACTIVITY

a. Articles in Refereed Journals

1. Tamara Munzner, François Guimbretière, Serdar Tasiran, Li Zhang, and Yunhong Zhou. TreeJuxtaposer: Scalable Tree Comparison using Focus+Context with Guaranteed Visibility. *ACM Transaction on Graphics* **22**(3), pp. 453 – 462, July 2003.
2. Juan Pablo Hourcade, Benjamin B. Bederson, Allison Druin, and François Guimbretière. Differences in pointing task performance between preschool children and adults using mice. *ACM Transactions on Computer-Human Interaction* **11**(4), pp 357 – 386, December 2004.
3. François Guimbretière, Andrew Martin, and Terry Winograd. Benefits of Merging Command Selection and Direct Manipulation. *ACM Transactions on Human-Computer Interaction*, **12**(3), pp 460 – 476, September 2005.
4. Chunyuan Liao[†], François Guimbretière, Ken Hinckley, and Jim Hollan. PapierCraft: A Gesture-Based Command System for Interactive Paper. *ACM Transactions on Human-Computer Interaction*, 14(4), pp 18.1 – 18.27, January 2008.
5. Nicholas Chen[†], François Guimbretière, and Corinna Loeckenhoff. Relative Role of Merging and Two Handed Operation on Command Selection Speed. *International Journal of Human-Computer Studies*, **66**(10), pp 729 – 740, October 2008.
6. Nicholas Chen[†], François Guimbretière, Liyang Sun, Mary Czerwinski, Gian Pangaro, and Steven Bathiche. Hardware Support for Navigating Large Digital Documents. *International Journal of Human Computer Interaction*, **25**(3), March 2009, pp 199 – 219.
7. Hyunyoung Song[†], François Guimbretière, Chang Hu, and Hod Lipson. ModelCraft Framework: Capturing Freehand An-notations and Edits to facilitate the Design Process using Digital Pen. *ACM Transactions on Human-Computer Interaction*, **16**(3), pp. 14:1 – 14 :33, September 2009.
8. Youngmin Kim, Amitabh Varshney, David Jacobs, and François Guimbretière. Mesh Saliency and Human Eye Fixations. *ACM Transactions on Applied Perception*, **7**(2), 12:1 – 12 :13, February 2010.
9. Georg Apitz[†], François Guimbretière, and Shumin Zhai. Foundations for designing and evaluating user interfaces based on the crossing paradigm. *ACM Transactions on Human-Computer Interaction*, **17**(2), pp 9:1 – 9:42, May 2010.
10. Chunyuan Liao[†] and François Guimbretière. Evaluating and Understanding the Usability of A Pen-based Command System for Interactive Paper. *ACM Transactions on Human-Computer Interaction*, In press.
11. François Guimbretière, Shenwei Liu[†], Han Wang[†], and Rajit Manohar. A System Architecture for Low Power Information Appliances. **Submitted to the *ACM Transactions on Embedded Computing Systems*.**
12. Nicholas Chen[†], François Guimbretière, and Abigail Sellen. Designing a Multi-Slate Reading Environment to Support Active Reading Activities. **Submitted to the *ACM Transactions on Human-Computer Interaction*.**
13. Nicholas Chen[†], François Guimbretière, and Abigail Sellen. Comparison of Tablets, Windows and Paper Reading Surfaces in Support of Active Reading. **Under major revision for the *ACM Transactions on Human-Computer Interaction*.**

[†] Student under my supervision.

b. Talks, Abstracts and Other Professional Papers

i. Refereed Conference Proceedings

1. Terry Winograd and François Guimbretière. Visual Instruments for an Interactive Mural. *Proceedings of CHI 1999, Extended Abstracts*, pp. 234 – 235.
2. Tamara Munzner, François Guimbretière, and George Robertson. Constellation: A Visualization Tool For Linguistic Queries from MindNet. *Proceedings of the 1999 IEEE Symposium on Information Visualization*, pp. 132 –135, 154. (40% acceptance rate)
3. François Guimbretière and Terry Winograd. FlowMenu: Combining Command, Text and Parameter Entry. *Proceedings of UIST 2000*, pp. 213 – 216. (16% acceptance rate)
4. François Guimbretière, Maureen Stone, and Terry Winograd. Fluid Interaction with High-resolution Wall-size Displays. *Proceedings of UIST 2001*, pp. 21 – 30. (19% acceptance rate)
5. François Guimbretière. Paper Augmented Digital Documents. *Proceedings of UIST 2003*, pp. 51 – 60. (22% acceptance rate)
6. Ken Hinckley, Gonzalo Ramos, François Guimbretière, Patrick Baudisch, and Marc Smith. Stitching: Pen Gestures that Span Multiple Displays. *Proceedings of AVI 2004*, pp. 23 – 31. (26% acceptance rate)
7. Georg Apitz[†] and François Guimbretière. CrossY: A Crossing-Based Drawing Application. *Proceedings of UIST 2004*, pp. 3 – 12. (**Best Paper Award**, 21% acceptance rate)
8. Liyang Sun[†] and François Guimbretière. Flipper: a New Method for Digital Document Navigation. *Proceedings of CHI 2005 (Extended Abstract)*, pp. 2001 – 2004.
9. Ken Hinckley, Patrick Baudisch, Gonzalo Ramos, and François Guimbretière. Design and Analysis of Delimiters for Selection-Action Pen Gesture Phrases in Scriboli. *Proceedings of CHI 2005*, pp. 453 – 460. (25% acceptance rate)
10. Chunyuan Liao[†], François Guimbretière, and Ken Hinckley. PapierCraft: A Command System for Interactive Paper. *Proceedings of UIST 2005*, pp. 241 – 244. (19% acceptance rate)
11. Ken Hinckley, François Guimbretière, Patrick Baudisch, Raman Sarin, and Maneesh Agrawala. The Springboard: Multiple Modes in One Spring-loaded Control. *Proceedings of CHI 2006*, pp. 181 – 190. (23% acceptance rate)
12. Ron B. Yeh, Chunyuan Liao[†], Scott Klemmer, François Guimbretière, Brian Lee, Boyko Kakaradov, Jeannie Stamberger, and Andreas Paepcke. ButterflyNet: A Mobile Capture and Access System for Field Biology Research. *Proceedings of CHI 2006*, pp. 571 – 580. (23% acceptance rate)
13. Dmitry Nekrasovski, Adam Bodnar, Joanna McGrenere, François Guimbretière, and Tamara Munzner. An Evaluation of Pan & Zoom and Rubber Sheet Navigation with and without an Overview. *Proceedings of CHI 2006*, pp. 11 – 20. (23% acceptance rate)
14. Ken Hinckley, François Guimbretière, Maneesh Agrawala, Georg Apitz[†], and Nicholas Chen[†]. Phrasing Techniques for Multi-Stroke Selection Gestures. *Proceedings of GI 2006*, pp. 147 – 154. (33% acceptance rate)
15. Hyunyoung Song[†], François Guimbretière, Hod Lipson, and Chang Hu[†]. ModelCraft: Capturing Freehand Annotations and Edits on Physical 3D Models. *Proceedings of UIST 2006*, pp. 13 – 22. (23% acceptance rate)
16. Chunyuan Liao[†], François Guimbretière, and Corinna Loeckenhoff. Pen-top feedback for paper-based interfaces. *Proceedings of UIST 2006*, pp. 201 – 220. (23% acceptance rate)
17. François Guimbretière, Morgan Dixon[†], and Ken Hinckley. ExperiScope: An Analysis Tool for Interaction Data. *Proceedings of CHI 2007*, pp 1333 – 1342. (22% acceptance rate)

18. Hyunyoung Song[†], François Guimbretière, Michael A. Ambrose, and Carl Lostritto. CubeExplorer: An Evaluation of Interaction Techniques in Architectural Education. *Proceedings of INTERACT 2007*, pp 43 – 56. (33% acceptance rate)
19. Chunyuan Liao[†], François Guimbretière, Richard Anderson, Natalie Linnell, Craig Prince, and Valentin Razmov. PaperCP: Exploring the Integration of Physical and Digital Affordances for Active Learning. *Proceedings of INTERACT 2007*, pp 15 – 28. (33% acceptance rate)
20. Morgan Dixon[†], François Guimbretière, and Nick Chen[†]. Optimal Parameters for Efficient Crossing-Based Dialog Boxes. *Proceedings of CHI 2008*, pp 1623 – 1632. (22% acceptance rate)
21. Nick Chen[†], François Guimbretière, Morgan Dixon[†], Cassandra Lewis[†] and Maneesh Agrawala. Navigation Techniques for Dual-Display E-Book Readers. *Proceedings of CHI 2008*, pp 1779 – 1788. (22% acceptance rate)
22. Hyunyoung Song[†], Tovi Grossman, George Fitzmaurice, François Guimbretière, Azam Kahn, Ramtin Attar, and Gordon Kurtenbach, PenLight: Combining a Mobile Projector and a Digital Pen for Dynamic Visual Overlay. *Proceedings of CHI 2009*, pp 143 – 152 (25% acceptance rate).
23. Ken Hinckley, Morgan Dixon, Raman Sarin, François Guimbretière, and Ravin Balakrishna, Codex: A Dual Screen Tablet Computer. *Proceedings of CHI 2009*, pp 1933 – 1942 (25% acceptance rate).
24. Hyunyoung Song[†], François Guimbretière, Tovi Grossman, and George Fitzmaurice. MouseLight: Bimanual Interactions on Digital Paper Using a Pen and a Spatially-aware Mobile Projector. *Proceedings of CHI 2010*, pp 2451 – 2460, (**Nominated for best paper award**, 22% acceptance rate).
25. Yujin Tsukada and François Guimbretière, TouchFace: the Interaction between Cursors and Live Video Images for Casual Videoconferencing. *Proceedings of DIS 2010*, pp 39 – 42.
26. Hyunyoung Song[†], Hrvoje Benko, François Guimbretière, Shahram Izadi, Xiang Cao, and Ken Hinkley. Grips and Gestures on a Multi-Touch Pen. *Proceedings of CHI 2011*, pp 1323 – 1332. (26% acceptance rate).
27. Minghui Sun, Xiang Cao, Hyunyoung Song[†], Shahram Izadi, Hrvoje Benko, François Guimbretière, Xiangshi Ren and Ken Hinckley. Enhancing Naturalness of Pen-and-Tablet Drawing through Context Sensing. *Proceedings of ITS'11*, **conditionally accepted**.
28. François Guimbretière and Chau Nguyen[†]. Pinch Menu: a mouseless, multi-button, 3D marking menu, **Submitted to CHI'12**.
29. Shenwei Liu[†], Hyunyoung Song[†] and François Guimbretière. Four Color Widget Design using Finger Identification, **Submitted to CHI'12**.

ii. Refereed Workshop

1. Penelope Brooks, Khoo Yit Phang, Rachael Bradley, Douglas Oard, Ryen White, and François Guimbretière. Measuring the Utility of Gaze Detection for Task Modeling: A Preliminary Study. *Proceedings of the Workshop on Intelligent Interfaces for Intelligence Analysis 2006*.

iii. Workshop

1. Nicholas Chen[†], François Guimbretière, and Abigail Sellen. Distributed User Interface for a Multi-Tablet Active Reading System. Presented at CHI'11 workshop on Distributed User Interfaces.

iv. Invited Abstract

1. Georg Apitz[†] and François Guimbretière. CrossY: A Crossing-Based Drawing Application. *Proceedings of SigGraph 2005*, pp. 930 – 930.

c. Videos

1. François Guimbretière and Tamara Munzner. FlowMenu: Combining Command, Text, and Parameter Entry, 2000.
2. François Guimbretière, Brad Johanson, and Maureen Stone. Fluid Interaction with High-resolution Wall-size Displays, 2001.
3. François Guimbretière and Tamara Munzner. TreeJuxtaposer: Scalable Tree Comparison using Focus+Context with Guaranteed Visibility, 2003.

d. Demonstrations

1. Kevin Convoy[†], Dave Levin[†], François Guimbretière. ProofRite : A Paper-Augmented Word Processor. *UIST 2004 Demonstration*.
2. Nicholas Chen, François Guimbretière, Cassandra Lewis, Maneesh Agrawala. Enhancing Document Navigation Tasks With a Dual-Display Electronic Reader. *UIST 2007 demonstration*.

e. Original Designs and Patents

1. François Guimbretière and Maureen Stone. Stanford Interactive Mural, 1999 – 2002.
2. Steven Bathiche, François Guimbretière, and Gian Pangaro. Tactile Device for Scrolling. US Patent # 7,355,595.
3. Ken P. Hinckley, Patrick M. Baudisch, Gonzalo A. Ramos, and François Guimbretière. Delimiters for Selection-Action Pen Gesture Phrases. US Patent # 7,454,717.
4. Ken Hinckley, François Guimbretière, Georg Apitz, Nicholas Chen, Maneesh Agrawala and Raman Sarin. Phrasing Extensions and Multiple Modes in One Spring-loaded controls. **Filed** US Patent.
5. Hyunyoung Song, Tovi Grossman, George Fitzmaurice, George François Guimbretière, Gordon Kurtenbach. Spatially-aware projection pen interface. **Filed** US Patent.
6. Hyunyoung Song, Tovi Grossman, George Fitzmaurice, George François Guimbretière, Azam Khan, Ramtin Attar, Gordon Kurtenbach. Spatially-aware projection pen display. **Filed** US Patent.
7. Hyunyoung Song, Tovi Grossman, George Fitzmaurice, George François Guimbretière, Azam Khan, Ramtin Attar, Gordon Kurtenbach. Spatially-aware projection pen. **Filed** US Patent.

f. Contracts, Grants and Gifts

Towards Better Command Selection Mechanisms for GUIs, 2004 - 2008. (NSF grant; PI; \$422,000)

People, Paper, and Computers, 2005 - 2010. (NSF CAREER grant; PI; \$400,000)

Towards Better Command Selection Mechanisms for GUIs, 2006. (NSF REU grant; PI; \$6,000)

Towards Better Command Selection Mechanisms for GUIs, 2007. (NSF REU grant; PI; \$7,000)

People, Paper, and Computers, 2007. (NSF REU grant; PI; \$7,000)

Capturing Freehand Annotations and Edits on Physical 3D Models, 2007 - 2008. (NSF SGER grant; PI; \$100,000)

Capturing Freehand Annotations and Edits on Physical 3D Models, 2008. (NSF REU grant; PI; \$7,000)

Design and Evaluation of the Next Generation of E-book Readers, 2008 - 2011. (NSF collaborative grant with Maneesh Agrawala at UC Berkeley, PI at UMD then Cornell; \$374,000 share)

Next Generation of E-book readers, 2008. (Microsoft Research Gift \$100,000)

AutoDesk, gift, 2008 (\$20,000)

Energy Signature of Interaction Techniques for Low Power Bi-Stable Displays Information Appliances, 2009 - 2012. (NSF grant; PI: François Guimbretière, Co-PI: Rajit Manohar, \$500,000)

Design and Evaluation of the Next Generation of E-book Readers, 2010. (NSF REU grant; PI; \$6,000)

Energy Signature of Interaction Techniques for Low Power Bi-Stable Displays Information Appliances, 2010 (NSF REU grant; PI; \$6,000)

FXPal gift, 2010 (\$12,000)

Informal Experimental Learning Via Reflective Programming, 2009. (NSF collaborative grant with Vibha Sazawal at UMD; PI at Cornell; \$10,000 share)

Hardware and Software Architectures for Next-Generation Mobile Platforms, 2011. (NSF grant; PI: Rajit Manohar, Co-PI: Francois Guimbretiere and David Albonesi; \$700,000)

g. Fellowships, Prizes, and Awards

InfoVis 2003 contest: First place overall: TreeJuxtaposer: James Slack, Tamara Munzner, University of British Columbia, and François Guimbretière, University of Maryland.

UIST 2004: Best Paper Award: Georg Apatz. and François Guimbretière. CrossY: A Crossing-Based Drawing Application.

i. Invited talks

Stanford Interactive Mural

AT&T labs, Florham Park, J, 10/99

Stick it on the Wall: A Metaphor for Interaction with Large Displays

CHI 2001 workshop on Tools, Conceptual Frameworks, and Empirical Studies for Early Stages of Design, Seattle, WA, 04/01

Fluid Interaction with High-resolution Wall-size Displays

People Computer and Design seminar, Stanford University, Stanford University, CA, 06/01

FX Palo Alto Laboratory, Palo Alto, CA, 06/01

University of Maryland, College Park, MD, 12/01

Mitsubishi Electric Research Laboratories, Cambridge, MA, 12/01

IBM Almaden Research center, Almaden, CA, 01/02

Imperial College London, London, 02/02

University of Washington, Seattle, WA, 03/02

Microsoft Research, Seattle, WA, 04/02

Sun Microsystems Laboratories, Burlington, MA, 01/03

People, Paper, and Computers

First Anoto developer conference, University of Pennsylvania, Philadelphia, PA, 01/03

Cognitive Psychology Seminar, University of Maryland, College Park, MD, 09/03

Pixar Interactions Group, Emeryville, CA, 12/03

People, Computers, and Design Seminar, Stanford University, Stanford, CA, 12/03

Distributed Cognition and HCI Laboratory, University of California at San Diego, San Diego CA, 02/04

Graphics group, Princeton University, Princeton, PA, 12/04

CrossY: A Crossing-Based Drawing Application.

Tablet PC workshop, University of Washington, Seattle, WA, 07/05

People, Pens, and Computers

Microsoft Faculty summit co-presented with Ken Hinckley (MSR), Redmond, WA, 07/05

Microsoft Research, Redmond, WA, 07/05

Microsoft Research, Redmond, WA, 06/06

Panel member at the Microsoft Faculty summit 07/06

GVU Center at the Georgia Institute of Technology, Atlanta, GA, 04/07

HCII at Carnegie Mellon University, Pittsburgh PA, 04/07

HCII at Cornell University, Ithaca NY, 04/08

Microsoft Research, Redmond, WA, 06/10

FXPal, Palo Alto, CA, 06/10

3. TEACHING AND ADVISING

a. Courses taught

i. General

Introduction to HCI (CMSC 434, UMD)

Fall 2002, Assistant Professor, 50 students

Introduction to HCI (CMSC 434, UMD)

Fall 2003, Assistant Professor, 50 students

Introduction to HCI for graduate students (CMSC 828F, UMD)

Fall 2004, Assistant Professor, 9 students

Introduction to HCI (CMSC 434, UMD)

Spring 2005, Assistant Professor, 37 students

Introduction to HCI for graduate students (CMSC 838G, now CMSC634, UMD)

Fall 2005, Assistant Professor, 7 students

Introduction to HCI (CMSC 434, UMD)

Spring 2006, Assistant Professor, 30 students

Introduction to HCI (CMSC 434, UMD)

Fall 2007, Assistant Professor, 33 students

Information Science Reading Seminar (INFO 7050, Cornell)

Spring 2009, Associate Professor, 10 students

Human Computer Interaction Design (INFO/COMM 3450, Cornell)

Fall 2009, Associate Professor, 42 students

Introduction to Rapid Prototyping and Physical Computing (INFO 4320, Cornell)

Spring 2010, Associate Professor, 28 students

Introduction to Rapid Prototyping and Physical Computing (INFO 4320, Cornell)

Spring 2011, Associate Professor, 27 students

Human Computer Interaction Design (INFO/COMM 3450, Cornell)

Fall 2011, Associate Professor, 51 students

ii. Specialized

Advanced Usability (CMSC 838G, UMD): People, Paper, and Computers

Spring 2003, Assistant Professor, 9 students

Advanced Usability (CMSC 838G, UMD): New Devices for New Interactions

Spring 2004, Assistant Professor, 3 students

Advanced Usability (CMSC 838G, UMD): Introduction to Rapid Prototyping Techniques
Fall 2006, Assistant Professor, 10 students
Introduction to Rapid Prototyping Techniques (CMSC 498D, UMD)
Spring 2007, Assistant Professor, 15 students
Introduction to HCI for non-major (CMSC 198G, UMD)
Spring 2008, Assistant Professor, 12 students

iii. Guest lectures

Advanced Usability (CMSC 838S, UMD): Creativity Support Tools, Fall 2002.
Introduction to Research (Fall Seminar, 2004 - 2007, UMD).
Human Computer Interaction (CogSci120, UCSD), Winter 2004.
Introduction to HCI (CMSC 434, UMD): Empirical evaluation, Fall 2006.
Introduction to HCI (CMSC 434, UMD): The Human Information Processor, Spring 2008.
Programming Language Technologies and Paradigms (CMSC 433, UMD): Principles of Design,
Spring 2008.
Human Computer Interaction Design (INFO 3450, Cornell): Input/Output devices, Spring 2009.
Advanced Interactive Graphics (CS 5620, Cornell): Input/Output devices, Spring 2009.
Human Computer Interaction Design (INFO 6400, Cornell): GOMS, Spring 2010.

b. Advising

i. Undergraduate

Kevin Conroy, (senior honors student), 2003 – 2004, graduated with honors.
Liyang Sun, (independent study), Spring – Summer 2004.
Pramit Mohapatra, (independent study), Spring 2004.
Jooyong Lee, (independent study), 2004 – 2005.
Bong Kim, (independent study), Summer 2005.
Wayne Wang, (independent study), Summer – Fall 2005.
Morgan Dixon, (independent study, REU Summer 2006 and 2007), Spring 2006 – Spring 2008.
Chip Hulseberg, (independent study), Fall 2006 – Spring 2007.
Cassandra Lewis, (independent study), Spring 2007 – Summer 2007.
Bobby Owolabi, (independent study, and REU), Fall 2007 – Spring 2008.
Matthew Thomas, (independent study and REU Summer 2008), Spring 2008 – Summer 2008.
Thomas Levine, (independent study), Spring 2009.
Nicolas Savva, (independent study), Fall 2009.
Jason Wright, (independent study), Fall 2009.
Jeff Shaffer, (independent study), Fall 2009 – Fall 2010.
Jackson Dowell, (independent study), Spring 2010.
Jonathan Tai, (independent study), Spring 2010.
Peter Tsend, (independent study), Spring 2010 – Summer 2010.
Kerwell Liao, (independent study), Spring 2011 – present.
Julien Wormser, (independent study), Summer 2011.
LaiYee Ho, (independent study), Fall 2011.
Sathish Nagappan, (independent study), Fall 2011.

ii. Graduate

Ph. D. Graduate Committee member, Juan Pablo Hourcade, User interface Technologies and Guidelines to Support Children's Creativity, Collaboration, and Learning, 2003.

Ph. D. Graduate Committee member, Haixa Zhao, Interactive Sonification of Abstract Data Design Space, Evaluation, and User Tool, Spring 2006.

Ph. D. Graduate Committee member, Seungjoon Lee, WISE Abstraction Framework for Wireless Networks, Summer 2006.

Ph. D. Graduate Committee member, Alejandro Rodrigue, Guided Self-Organizing Particle Systems for Basic Problem Solving, Fall 2006.

Ph. D. Graduate Committee member, Robert Sherwood, Discovering and Securing Shared Resources on the Internet, Spring 2008.

Ph. D. Advisor, Chunyuan Liao, 2004 – 2009 (now at FXPal).

Master Graduate Committee member, Peter Kung, A Multi-modal User Interface For Object Manipulation In a 3D Environment, Summer 2011.

Ph. D. Advisor, Nicholas Chen, 2004 – present.

Ph. D. Advisor, Hyun Young Song, 2006 – present.

Ph. D. Advisor, Shenwei Liu, 2009 – present.

Ph. D. Advisor, Chau Nguyen, 2011 – present.

4. SERVICE

a. Professional

Member of the ACM.

Program Chair for UIST 2009.

Program committee member

IEEE Symposium on Information Visualization (InfoVis), 2003, 2004.

EuroGraphics 2005.

CHI 2006, 2012.

UIST 2006, 2008, 2011.

SigGraph 2006 Sketches Jury.

Reviewer for CHI, Graphic Interfaces, International Journal of Human-Computer Studies, SigGraph, ACM Transactions of Computer Human Interaction (ToCHI), UIST.

Reviewer for the Intel Science Talent Search, Fall 2003.

Reviewer, panelist and workshop participant for NSF.

b. Intramural

i. Departmental

Member of the *Evaluating University Service Courses Committee*, CS Department, UMD, Fall 2003.

Member of the *Women and Minority Recruitment and Retention Committee*, CS Department, UMD, Fall 2003.

Friday Faculty Lunch Coordinator (organizing a weekly informal lunch for faculty), CS Department, UMD, Fall 2003 – Spring 2007.

Member of the *Laboratory Committee*, CS Department, UMD, Fall 2003 – Spring 2005.

Member of the *Admissions Committee*, CS Department, UMD, Spring 2007.

Member of the *CIS Dean Search Committee*, Cornell, Spring 2009.

Director of Graduate Study, Field of Information Science, Cornell, Fall 2009 – present.

Member of the *IS Chair Committee*, Cornell, Spring 2011.

ii. Other

Member of *APT Committee*, UMIACS at UMD, Fall 2005 – Fall 2006