

Sharon Lin

Stanford University

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Education	Stanford University , Stanford, CA PhD Candidate in Computer Science, expected 2014 Research advised by Pat Hanrahan Interests: Creative support tools, Computer Graphics, Data Visualization, HCI	Fall 2008 – present
	University of Washington , Seattle, WA B.S. in Computer Science with College Honors, Minor in Mathematics GPA: 3.91/4.0	Fall 2004 – 2008
Research Experience	Stanford University , Stanford, CA <i>Research Assistant, advised by Pat Hanrahan</i>	Spring 2009 – present
	Adobe Systems , San Francisco, CA <i>Creative Technologies Lab Intern</i> Explored adapting page layout to facilitate reading and contextualizing linked information. Developed a prototype Wikipedia viewer that allows readers to save relevant linked information as sidebars in the original article.	Summer 2008
	Fraunhofer IGD , Darmstadt, Germany <i>Research Intern</i> Investigated the capability of a CPU-based volume renderer, Stingray, to run in a virtual environment. Updated Stingray and a GPU-based texture-slicing volume renderer to run in a common virtual reality framework (OpenCOVER) for future comparison.	Summer 2007
	IMEDIA Academy , Providence, RI <i>Research Experience for Undergraduates (REU)</i> Worked on and conducted a user study on an interactive interface to help aquarium visitors identify fish.	Summer 2006
Publications	<i>Sharon Lin</i> , Daniel Ritchie, Matthew Fisher, and Pat Hanrahan. Probabilistic Color-by-Numbers: Suggesting Pattern Colorizations Using Factor Graphs. SIGGRAPH 2013.	
	<i>Sharon Lin</i> , Julie Fortuna, Chinmay Kulkarni, Maureen Stone, and Jeffrey Heer. Selecting Semantically-Resonant Colors for Data Visualization. EuroVis 2013. Best Paper Award.	
	<i>Sharon Lin</i> and Pat Hanrahan. Modeling How People Extract Color Themes from Images. CHI 2013. Best Paper Honorable Mention.	
	Laureen Lam, <i>Sharon Lin</i> , and Pat Hanrahan. Using Text N-Grams for Model Suggestions in 3D Scenes. SIGGRAPH Asia Technical Brief 2012	

Justin Talbot, *Sharon Lin*, and Pat Hanrahan. An Extension of Wilkinson's Algorithm for Positioning Tick Labels on Axes. InfoVis 2010.

Mira Dontcheva, *Sharon Lin*, Steven Drucker, David Salesin, and Michael Cohen. Experiences with Content Extraction from the Web. CHI Workshop 2008

Other Projects

Labeling for Interactive 3D Exploded Views (2008),
Undergraduate Senior Thesis, advised by Brian Curless

The Interactive Aquarium: Evaluating the Effectiveness of Interactive Interfaces in an Aquarium Visit. *The Journal of Young Investigators* (2007)
<http://www.jyi.org/research/re.php?id=1179>

Teaching Experience

Course Assistant, Stanford CS148: Introduction to Computer Graphics Summer 2011
Course Assistant for Justin Talbot

Course Assistant, Stanford CS148: Introduction to Computer Graphics Winter 2009
Course Assistant for Pat Hanrahan

Teaching Assistant, UW CSE457: Introduction to Computer Graphics Spring 2007
Teaching Assistant for Brian Curless

Skills

Programming Languages: C#, C++, HTML/CSS/Javascript, Java, Flex/ActionScript 3

Applications: Visual Studio, MATLAB, Photoshop, Maya

Relevant Coursework

Stanford

Probabilistic Graphical Models (CS228)
Machine Learning (CS229)
Data Visualization (CS448b)
Research Topics in HCI (CS376)
Image Synthesis (CS348b)

University of Washington

Computer Graphics (CSE457)
Computer Vision (CSE455)
Computer Animation (CSE460)
Artificial Intelligence (CSE473)

Awards

EuroVis 2013 Best Paper Award
CHI 2013 Best Paper Honorable Mention
Qualcomm Innovation Fellowship 2009 Finalist
Mary Gates Research Scholarship 2008 – University of Washington
Gary Kildall Endowed Scholarship 2006-2007 – UW, CSE Dept