

Nicholas C. Kong

CONTACT INFORMATION	Electrical Engineering and Computer Science University of California, Berkeley 514 Soda Hall Berkeley, CA 94720 USA	<i>Phone:</i> (510) 229-2864 <i>E-mail:</i> nkong@cs.berkeley.edu <i>WWW:</i> www.eecs.berkeley.edu/~nkong/
RESEARCH INTERESTS	Human-computer interaction (HCI), information visualization	
EDUCATION	University of California, Berkeley, (9/2008 -) Pursuing a Ph.D. in Computer Science <ul style="list-style-type: none">Investigating collaborative visual analytics with Professor Maneesh Agrawala University of Toronto, (9/2004 - 6/2008) B.A.Sc., Engineering Science, Computer Option <ul style="list-style-type: none">Bachelor with Honors, CGPA: 3.72Thesis: <i>Direct Compression of Bayer Color Filter Arrays</i>, under the supervision of Professor Konstantinos Plataniotis	
RESEARCH AND PROJECT EXPERIENCE	2008 -	Graduate researcher (UC Berkeley EECS) Working with Prof. Maneesh Agrawala on collaborative visual analysis tools.
	Summer 2008	Multimedia Laboratory (University of Toronto, ECE) Worked with Prof. Konstantinos Plataniotis and Karl Martin on investigating Bayer color filter array compression techniques and their effect on post-processing.
	Fall 2007	Undergraduate thesis (University of Toronto, ECE) Investigated JPEG compression of Bayer color filter arrays in cameras under the supervision of Prof. Konstantinos Plataniotis.
	2004 - 2007	Dynamic Graphics Project (University of Toronto, CS) Undergraduate student researcher. Worked with Prof. Ravin Balakrishnan and Tovi Grossman on probabilistic Fitts' law models and illustrative graphing.
	2006	AER201 Design Project (University of Toronto) Worked in teams of three to design and build a grain-packing machine as per a design proposal.
TEACHING	Fall 2007	Engineering Science Club Tutor Ran a drop-in weekly tutorial session in a Q & A format.

AWARDS	2008	Postgraduate Scholarship M, NSERC Departmental Fellowship, EECS, UC Berkeley
	2007	Undergraduate Student Research Award, NSERC
	2006	Undergraduate Student Research Award, NSERC
	2004	University of Toronto Scholar, University of Toronto Faculty of Applied Science and Engineering Entrance Scholarship, University of Toronto
CONFERENCE PUBLICATIONS		Jeffrey Heer, Nicholas Kong , Maneesh Agrawala. "Sizing the Horizon: The Effects of Chart Size and Layering on the Graphical Perception of Time Series Visualization." To appear in the Proceedings of CHI 2009. [24.5% acceptance rate]
		Tovi Grossman, Nicholas Kong , Ravin Balakrishnan. "Modeling pointing at targets of arbitrary shapes." Proceedings of CHI 2007 – the ACM Conference on Human Factors in Computing Systems. p. 463-472. [24% acceptance rate]
TECHNICAL REPORTS		Clifton Forlines, Daniel Vogel, Nicholas Kong , Ravin Balakrishnan. (2006). "Absolute vs. Relative Direct Pen Input." MERL Technical Report. TR2006-066.
SKILLS		<i>Programming:</i> C, C++, Java, Python, Scheme, Prolog, Assembly (Motorola 68k), ActionScript, SQL, SVN, Verilog
		<i>Applications:</i> L ^A T _E X, B _I B _T E _X , MATLAB, Maple, Quartus, PSPICE, common office suites
		<i>Operating Systems:</i> Microsoft Windows, Apple OS X, Linux
		<i>Mathematics:</i> Multi-variable/vector calculus, Probability theory, Linear algebra, Ordinary differential equations
PERSONAL		Grew up in the Netherlands. Has a reading knowledge of Dutch and one year of university level Japanese. Amateur pianist with 10 years of lessons. Enjoys origami and puzzles. Participated in Microsoft Puzzle Challenge, 2005-2007.
REFERENCES		Available upon request.