

Daniel Vogel

education

PhD Computer Science / University of Toronto IN PROGRESS, Feb 2005 –
specializing in Human Computer Interaction, Ravin Balakrishnan advisor • DGP lab

MSc Computer Science / University of Toronto Sep 2003 – Jan 2005
specializing in Human Computer Interaction, Ravin Balakrishnan advisor • DGP lab
Thesis: "Interactive Public Ambient Displays"

BFA Intermedia / Emily Carr Institute of Art and Design Sep 1993 – Apr 1996
specializing in computer animation, printmaking, and installation art

BA Computer Science & Visual Arts / Univer. of Western Ontario Sep 1989 – Apr 1993
(Dean's Honour List)

publications

Géry Casiez, **Daniel Vogel**. (2008). The Effect of Spring Stiffness and Control Gain with an Elastic Rate Control Pointing Device. To appear in *Proc. of CHI 2008*.
* CHI 2008 Best Paper Nominee Award *

Géry Casiez, **Daniel Vogel**, Ravin Balakrishnan, and Andy Cockburn. (Forthcoming). The Impact of Control-Display Gain on User Performance in Pointing Tasks. *Human-Computer Interaction*.

Ian Vollick, **Daniel Vogel**, Maneesh Agrawala, and Aaron Hertzmann. (2007). Specifying Label Layout Styles by Example. *Proc. of UIST 2007*. p. 221-230.

Géry Casiez, **Daniel Vogel**, Qing Pan, and Christophe Chaillou. (2007). RubberEdge: Reducing Clutching by Combining Position and Rate Control with Elastic Feedback. *Proc. of UIST 2007*. p. 129-138.

Daniel Vogel and Patrick Baudisch. (2007). Shift: A Technique for Operating Pen-Based Interfaces Using Touch. *Proc. of CHI 2007*. p. 657-666.
* CHI 2007 Best Paper Award *

Clifton Forlines, **Daniel Vogel**, Ravin Balakrishnan. (2006). HybridPointing: Fluid Switching Between Absolute and Relative Pointing with a Direct Input Device. *Proc. of UIST 2006*. p. 211-220

Daniel Vogel, Ravin Balakrishnan. (2005). Distant freehand pointing and clicking on very large high resolution displays. *Proc. of UIST 2005*. p. 33-42.

Daniel Vogel, Ravin Balakrishnan. (2004). Interactive public ambient displays: transitioning from implicit to explicit, public to personal, interaction with multiple users. *Proc. of UIST 2004*. p. 137-146.

scholarships, awards, and appointments

Adjunct Professor 2008 - current

Department of Mathematics and Computer Science, Mount Allison University

NSERC Canada Graduate Scholarship (CGSD3) 2005 - 2008

\$105,000 over 36 months based on research potential and academic merit

NSERC Postgraduate Scholarship, Masters (PGSM) 2004

\$17,300 scholarship based on academic merit and research potential

Ontario Graduate Scholarship (declined) 2004, 2005

\$15,000 scholarship based on academic merit

Wolfond Fellowship 2003

\$7900 scholarship based on academic merit

Senior Student Artist Grant 1995

\$2250 juried award for senior art students from British Columbia Cultural Services

internships and residences

Summer Research Intern, Microsoft Research / Jun – Aug 2006

touch screen interaction ♦ with Patrick Baudisch

Summer Research Intern, Microsoft Research / Jun – Sep 2004

automated document layout through optimization ♦ with Maneesh Agrawala and David Salesin

Artist in Residence, Banff Centre for the Arts / Jul – Aug 1998

3 week artist in residence in digital silkscreen printmaking ♦ presented at the “Interactive Screen” new media workshop and the “Avatar, Avatar” VRML weekend summit

teaching

Course Instructor / University of Toronto Fall 2006

3rd year computer science course in user-centred interaction design and usability

Teaching Assistant / University of Toronto Fall 2003, Spring 2004, Spring 2006

3rd year computer science course in user-centred interaction and usability

presentations and invited talks

Invited Speaker, Mount Allison University / New Brunswick, Mar 2007

“Direct Input Selection on Very Large and Very Small Displays”, host Prof. Liam Keliher

Invited Speaker, University of Lille / France, Oct 2006

“Large Display Interaction”, host Prof. Géry Casiez

Invited Speaker, Mount Allison University / New Brunswick, Feb 2005

“Interactive Public Ambient Displays”, host Prof. Liam Keliher

Guest Lecturer, Schulich School of Business, York University / Sep, Oct 2000

“Internet Services and Web Development”

Conference Presentations

UIST 2007, San Jose, “Shift” / UIST 2006, Montreux, “HybridPointing” / UIST 2005, Seattle,

“Distant freehand pointing” / UIST 2004, Santa Fe, “Interactive Public Ambient Displays”

employment and consulting

Consultant / Toronto

information architecture, graphic design, usability recommendations [freelance] / 2002 – current
working with clients such as Sapient, The Royal Bank Financial Group, Bell Sympatico/MSN

Organic / Toronto

senior information architect [contract] May - Oct 2002
senior IA resource and graphic design • clients include: Sony, Honda, Bell Mobility

Cyberplex / Toronto

senior information architect and department manager Sep 1999 – May 2002
created new department, process and techniques for information architecture, trained and lead team of new information architects • clients include: Starbucks, Thomson Learning, 3M

Bratch Innovation / Toronto

creative director Jan 1999 – Aug 1999

Referentia / Honolulu

computer animator [freelance] 1998 - 2000

Orthocom / Markham, Ontario

designer and developer Mar 1997 - Dec 1998

Computer Visualizations / Honolulu

computer animator May 1994 - Aug 1994, Oct 1996 - Feb 1997

press

MIT Technology Review, "Precision Pointing with Fat Fingers", May 2007

ComputerWorld, "Microsoft Research project tackles mobile touch-screen problems", May 2007

CBC Radio Ideas, "By Design: The Politics Of Everyday Objects, Part Two", 2006 (Interview)

Mix Magazine, "Artist Run Portfolio: Fax Sux", Sep 1995,

MuchMusic Television, "Fax: Hydromedia", Apr 1995, "Speed Kills", Apr 1995

selected group exhibitions

Travelogue

Artspeak Gallery, Vancouver, 1997

Las Vegas

Havana, Vancouver, 1997

Suburbia

The Helen Pitt Gallery, Vancouver, 1997

3 Sections, 1 Body

CACV, Vancouver, 1997

Exact Change

The Helen Pitt Gallery, Vancouver, 1996

Anniversary Of The Comic / juried

Wedgimounte Gallery, Belgium, 1996

Beyond Borders / juried

Viking Union Gallery, Bellingham, WA, 1996

Straight White Male

Emily Carr Institute, Vancouver, 1996

Canadaustralia Exchange / juried

Sydney, Australia; Toronto; Vancouver, 1996

Images And Objects / juried

Kamloops, British Columbia, 1995

Blue Plate Special

The Flat, Vancouver, 1995

Hydromedia

Flux Studios, Vancouver, 1995

Speed Kills

The Flat, Vancouver, 1995

13th Annual Vancouver Exhibition / juried

VCAC, Vancouver, 1995

Toys 'R' Art

The Flat, Vancouver, 1994