

**David Bouchard**  
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## Education

2005 – 2007 **Master of Science in Media Arts and Sciences** (M. Sc.), Massachusetts Institute of Technology (MIT) Media Laboratory  
August 2007 **Interactive Screens** intensive program, Banff Center for the Arts (Scholarship recipient)  
2001 – 2004 **Bachelor of Computer Science** (B. Comp. Sc.), Major in Digital Image/Sound and the Fine Arts, Concordia University  
1997 – 1999 **DEC in Cinema**, Cégep de St-Jérôme

## Languages

Spoken and written French (native), English (fluent)  
Programming Java/Processing, C, C++, Objective-C, Python, Ruby, PHP, PureData, MAX/MSP

## Teaching

2010 – present **Assistant Professor**, Ryerson University, School of Image Arts, New Media option  
• Class: Data Visualization and Generative Processes (MPM35)  
• Class: Introduction to Computation for Experience Design (MPM16B)  
2008 – present **Part-time Faculty**, Canadian Film Center (CFC) Media Lab IAEP program  
• Technical Director: provides guidance and advice during the project development phase  
2008- 2010 **Instructor**, Ryerson University, School of Image Arts, New Media option  
Fall 2006 **Teaching Assistant**, MIT Media Laboratory  
• Class: Ambient Intelligence, instructor: Pattie Maes  
Feb 2007 **Workshop**, AudioPint: open platform for musical expression, with David Merrill and Ben Vigoda, MIT Media Laboratory  
• One-day workshop in which participants built their own AudioPint  
2004 **Teaching Assistant**, Concordia University  
• Class: Languages of Programming, instructor: Jason Lewis  
2003 – 2004 **Tutor**, Computation Lab, Concordia University  
• Ran a Java/Processing programming clinic for students within the Fine Arts department

## Exhibits

2009 **Traces**, generative graphics, INIT Live 09, Toronto, Canada  
2009 **Reeds**, large scale realtime outdoors projection, INIT Live 09, Toronto, Canada  
2007 **Soundmites**, magnetic wooden blocks and custom electronics, COLLISION 11, Cambridge, Massachusetts.  
2007 **Listening Table**, interactive glass coffee table with embedded LED display, installed at the MIT Media Laboratory  
2006 **Interactive Bus Stop** with the MIT Mobile Experience Group, Parc de La Villette, Paris, France.  
2006 **Augmented Mirror**, interactive mirror display, Moda E Technologia, Milan, Italy  
2005 **Autoportrait.org**, java applet for Code, an online net-art exhibit hosted by year01.com  
2004 **The Dandelion Field**, interactive video installation, CAFKA 2004, Kitchener, Ontario

## Publications

- 2008 *Embodied Emergence: Distributed Computing Manipulatives*, with Pattie Maes, International Symposium on Electronic Art (ISEA) 2008, Singapore.
- 2007 *AudioPint: An Open-Source Hardware Platform for Musical Invention*, with David Merrill and Ben Vigoda, PDCon'07 Pure Data Conference, Montreal, Canada
- 2004 *Alien Letter Forms: An Ecosystem for Evolving Texts*, with Jason Lewis, COSIGN 2004, Computational Semiotics for Games and New Media, Split, Croatia

## Work in Progress

- 2009–2010 **Mirror Tower**, a kinetic interactive installation funded by the Canada Council for the Arts
- 2010 **Nunavut Lights**, photographic archive visualization, in collaboration with Bruno Lessard and Pierre Tremblay

## Work Experience\*

- 2010 **Sick Kids Waiting Room**, interactive generative graphics, with Tom Kuo and Alex Kurina
- 2009 – present **Interaxon**, <http://www.interaxon.ca>
- Designer and software developer for brainwave-controlled interactive exhibits
- 2009 – present **ESKI Studio**, <http://www.eskistudio.com>
- Electronics designer and firmware developer
- Winter 2009 **CIEO Creative**, <http://www.cieocreative.com>
- Electronics designer for toy prototypes
- 2007 – 2008 **Solar Collector**, <http://www.solarcollector.ca>, client: Gorbet Design Inc.
- Designed and fabricated the networked control electronics as well the software to communicate with the sculpture.
- April 2008 **WSIB Living Tribute**, <http://www.prevent-it.ca>, client: DraftFCB / Pixel Farmers
- Designed a Processing applet which runs both on the WSIB website and on the Living Tribute sculpture installed in the WSIB lobby.
- 2007 – 2009 **Thin Air** and **Relay** exhibits, client: Nina Levitt
- Developed motion-actuated air-blowers, custom electronics for augmented suitcases and networked lighting
- Fall 2007 **Siftable Computing** project, client: MIT Media Laboratory
- Production of 24 *Siftable* computer units, troubleshooting and debugging
- 2005 – 2007 **Research Assistant**, Ambient Intelligence Group, MIT Media Laboratory
- Contributed to the group's common research projects
  - Gave numerous demos of the group's work to sponsors and visitors
- 2006 **MIT Design Laboratory**, Mobile Experience group
- Design and production of the Interactive Bus Stop exhibit
- 2004 **Java Programmer**, OBX Labs, <http://www.obxlabs.net>
- Foundation and development work on the NextText Java library
  - Computer vision software for the Intralocutor project
  - Integration work for the CitySpeak project
- 2004 **Technological Watch**, Centre Inter-universitaire des Arts Médiatiques (CIAM)
- Redaction of a report on real-time video as an input device for interactive art
- 2004 **Flash programmer**, Bioteknica Virtual Laboratory, <http://www.bioktenica.org>
- 2003 – 2004 **Digital Media Student Association** at Concordia University, president
- 1999 – 2000 **Les Productions Bonaparte**, independent short video production

*\*References available on request.*