

PAUL SAULNIER

E-mail: <http://paulsaulnier.ca/contact/>

EDUCATION

UNIVERSITY OF CALGARY (CALGARY, AB)

September 2008 - Present

MASTER OF SCIENCE - COMPUTER SCIENCE

- Cumulative GPA: 3.9 on a 4.0 scale
- Research area: Human-Computer Interaction and Robotics
- Supervision: Dr. Ehud Sharlin, Dr. Saul Greenberg
- NSERC Canada Graduate Scholarships M (CGS-M), \$17,500
- iCORE MSc Graduate Student Scholarship in ICT, \$12,500
- Queen Elizabeth II Graduate Scholarship, \$10,800 (May 2009 – May 2011)
- Department Research Award, \$6000 (2008, 2009)
- Computer Science Teaching Assistant - (Fall 2008, Winter 2009, Fall 2009, Winter 2010)
- TA Excellence Award - (CPSC 203 Fall 2008)

UNIVERSITY OF NEW BRUNSWICK (SAINT JOHN, NB)

September 2004 – May 2008

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- Cumulative GPA: 3.9 on a 4.3 scale, graduated in *First Division*
- Dean's List – (2004-2005, 2005-2006, 2007-2008)
- Student Abroad exchange, ESCM School of Business, Poitiers, France – (Winter 2007)
- Computer Science Teaching Assistant – (Winter 2007, Fall 2007)

EXPERIENCE

INNOVATIA INC. (SAINT JOHN, NB)

July 2003 – August 2008

PROCESS & PRODUCTION SPECIALIST

- Participated in all stages of development of including requirements analysis, graphical UI design, coding, documentation, implementation and regular maintenance of several projects:
 - Standard Operating Procedures authoring software, featuring a design optimized for timely access by telephone agents
 - Task Analysis software in the context of documentation management, designed as a component of an overall commercial product of focus to be sold by Innovatia
 - Productivity and efficiency customizations for Arbortext Editor documentation editing suite
- Application support. Proactive development of small tools to address problems and improve productivity and efficiency of various workflows
- Coordinated implementation of corporate www.innovatia.net web site redesign including cross-browser compatibility and maintenance improvements

TECHNICAL SKILLS

- Visual C#, Java, Python, Visual Basic .NET, Objective-C, C++, Visual Basic 6, Assembly
- PHP, MySQL, JSP, (X)HTML, CSS, JavaScript, Apache
- Adobe Suite (Photoshop, Acrobat, etc.), Microsoft Office including VBA, Arbortext (Epic) Editor

REFEREED CONFERENCE SHORT-PAPERS

- PAUL SAULNIER, Ehud Sharlin, Saul Greenberg. (2009) Using Bio-electrical Signals to Influence the Social Behaviours of Domesticated Robots. In Adjunct Proc. Human Robot Interaction (Late Breaking Abstracts) - HRI'09. (San Diego, California), 2 pages plus poster, March 11-13. *Poster presentation by Saulnier*
- PAUL SAULNIER, Ehud Sharlin, Saul Greenberg. (2009) Using brain-robot interfaces for controlling implicit social patterns. In Workshop on Brain Machine Interfaces for Neuroprostheses and Robot Control, held at the IEEE International Conference on Robotics and Automation. (Kobe, Japan), 3 pages plus poster, May 12. *A version of the similar HRI poster/paper above by the same authors. Presentation by Saulnier*
- PAUL SAULNIER, Ehud Sharlin, Saul Greenberg. (2010) Exploring Interruption in HRI using Wizard of Oz. In DVD Proc. 5th ACM/IEEE Int'l Conf on Human-Robot Interaction - HRI'2010. (Osaka, Japan), IEEE/ACM, 2 pages, March 2-5. Late Breaking Report. *Poster presentation by Saulnier*

ACADEMIC SERVICE & INVOLVEMENT

- Invited talk – Japan Science and Technology ERATO Igarashi Design Interface Project, Tokyo, Japan – February 2010
- Student Volunteer - ACM/IEEE Conference on Human-Robot Interaction (HRI) – March 2009, March 2010
- Invited Talk – Human Interface Engineering Lab, Osaka University, Japan – May 2009
- Attendee – IEEE International Conference on Robotics and Automation (ICRA) – May 2009
- Student Volunteer – University of Calgary Dept. of Computer Science Industry Day – December 1st, 2008
- Attendee – ACM Conference on Computer Supported Cooperative Work (CSCW). – November 2008
- Student Volunteer – Computer Science Workshop, UNB Saint John - March 2008
- Student Volunteer – Women in IT Event, UNB Saint John - December 2007
- Represented UNB Saint John at ACM International Collegiate Programming - 2006, 2007

COMMUNITY INVOLVEMENT

- Saint John High School (Saint John, NB) 2002 - Present
Volunteer web developer, designer, system maintenance. Completely redesigned www.sjhigh.ca. Rapidly developed dynamic web-based software tools from scratch based on requirements.
- New Brunswick Department of Education (Saint John, NB) 2004 - Present
Web developer. Created www.youthcareerconnections.ca web site for the Youth Career Connections Program which is used by students to download and print application forms and job sheets

PUBLIC SPEAKING & MEDIA COVERAGE

- CBC Radio Saint John interview (~7 minutes) – June 23rd, 2009
- Live & recorded television interviews (~8 minutes) on Breakfast Television (Citytv Calgary) – March 2009
- CBC Radio Spark interview (~4 minutes) aired nationally – April 1st, 2009
- “Robot Emotional Control” press coverage in MIT’s Information Review, Engadget, Gizmodo, Wired, etc.
- Speech from perspective of previous student, Youth Apprenticeship Graduation – August 21st, 2007

LANGUAGES

- English – Native speaker
- French – Fluent conversational and written skills. Five month exchange in France.

INTERESTS

- Web and desktop software development, photography, music, biking outdoors