

# Gail Carmichael

P.O. Box 114 North Gower, ON K0A 2T0  
613-489-3296 gail.banaszkiewicz at gmail.com  
<http://gailcarmichael.com>

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## Highlight of Skills

- Programming
  - Proficient in C, C++, and Java
  - Use or have used HTML, XML, JavaScript, CSS, Perl, UML, Scheme, Prolog, Assembly
- Software / Tools
  - Windows, Linux
  - SVN and CVS version control systems, Visual Source Safe, TWiki, and Bugzilla
  - Eclipse, KDevelop and Visual Studio .NET
  - Macromedia Dreamweaver and Flash, Adobe Photoshop, Corel DRAW Graphics Suite, Inkscape, GIMP
- Knowledge of engineering processes and design patterns
- Strong leadership, teamwork, time management, and communication skills
- Able to work independently with minimal supervision, highly adaptable, and able to learn quickly

## Education

September 2007 – present

### **Master of Computer Science**

*Carleton University, Ottawa, ON*

- \$50,168 university funding over two years
- CGPA 11.8 out of 12.0

September 2002 – May 2007

### **Bachelor of Computer Science, Honours**

#### **Minor in Mathematics**

*Carleton University, Ottawa, ON*

- Software and computing stream, co-op option
- CGPA 11.87 out of 12.0

## Awards

- Google Canada Anita Borg Memorial Scholarship (finalist) (2008)
- NSERC Canada Graduate Scholarship (Masters) (2007 – 2009)
- Senate Medal for Outstanding Academic Achievement (2007)
- Nortel Networks Entrance Scholarship (2002 – 2007)
- NSERC Undergraduate Student Research Award (2004, 2006)
- CIPS Ottawa Section Scholarship (2003, 2005)
- David A. Thomas Scholarship in Computer Science (2004)
- Governor General Bronze Academic Medal (2002)

## **Professional Experience**

### **Applications and Embedded Systems Programming**

- Contributed to a cross platform open source software project, Inkscape, for Google's Summer of Code.
- Developed new features designed to improve the user's experience with text in CorelDRAW. Solved issues specific to Far East and bidirectional text.
- Improved customer satisfaction with Ross Video's patented chroma keyer technology.

### **Leadership**

- Played an important role in rebuilding the Carleton University chapter of the Women in Science and Engineering branch of Ottawa.
- Encouraged student participation in feedback sessions and women's events through the Google Ambassador program.
- Revitalized the Carleton Computer Science Society by securing funding, holding many successful events, and building stronger ties with the School of Computer Science faculty.
- Managed ambassadors from schools in Eastern Ontario and Quebec for the Canadian Undergraduate Technology Conference.

### **Communication**

- Developed and delivered a workshop for computer science students about succeeding in technical interviews.
- Designed and wrote a survival guide for new undergraduate computer science students.
- Regularly write a blog, "The Female Perspective of Computer Science" (<http://compscigail.blogspot.com>)
- Developed and delivered a week long course for teenaged girls entitled "Computer Science and Games: Not Just for Boys."

## **Extra-Curricular Activities**

- (2007– present) Women in Science Engineering, Executive member
- (2006 – present) Google Ambassador Program, Carleton Ambassador
- (2003 – present) ITF Taekwondo, Black belt
- (2002 – present) Yoga, Participant
- (2006 – 2007) Carleton Computer Science Society, President
- (2007) CS Games, Team member
- (2007) Mindtrust Leadership Development Program, Participant
- (2007) Canadian Undergraduate Technology Conference, Organizer
- (2006) ACM Programming Competition, Team member

## **Employment Background**

September 2007 – present

School of Computer Science, ON – **Teaching Assistant**

May 2008

Carleton University, ON – **Enrichment Mini-Course Instructor**

May 2007 – August 2007

**Google Summer of Code Participant for Inkscape**

September 2006 – April 2007

School of Computer Science, Ottawa, ON – **Peer Facilitator**

May 2004 – December 2004, May 2006 – September 2006

Ross Video, Ottawa, ON – **Software Developer (Co-op)**

May 2005 – September 2005, January 2006 – April 2006

Corel Corporation, Ottawa, ON – **Software Developer (Co-op)**