

Gabriel Parent

Language Technologies Institute, Carnegie Mellon University
gparent@cs.cmu.edu
www.cs.cmu.edu/~gparent

Education

Master in Language Technology

August 2009 – August 2011

Carnegie Mellon University, GPA 4.04/4.30, 105 credits

- Develop *CMU tellus* dialog system to answer a subset of the 311 calls to the City of Pittsburgh
- Organize monthly lunches on crowdsourcing for language technologies
- Use crowdsourcing to transcribe Let's Go Bus Information System dialogs
- Contributed to REAP studies for Fall 09, Spring 10 and Summer 10. (<http://reap.cs.cmu.edu>)

Bachelor of Engineering, Computer Engineering

September 2005 – May 2009

École Polytechnique de Montréal, GPA 3.93/4.00

Employment

West-DGI Laboratory, École Polytechnique de Montréal

May 2007 - May 2009

Research assistant

- Built a temporal annotation system for French
- Contributed to the French adaptation of ISO-TimeML standard

Cascades Inc., Kingsey-Falls

May 2004 - September 2005

Computer Technician

- Responsible for Intranet training and audits
- Answered calls and solve problems

Koh Tao, Thailand

June 2009 - August 2009

PADI Divemaster

- Taught Scuba Review programs to refresh certified divers skills
- Introduced tourists to scuba diving through PADI Discover Scuba Diving program
- Lead group of certified divers on different sites around the island

Invited Talks

Invited talk on **Crowdsourcing for research purposes**. Pittsburgh Science of Learning Center lunch. February 15th, 2010.

Invited talk on **Crowdsourcing: quality and throughput**. Carnegie Speech Company. March 2nd, 2010.

Publications

Parent, G., Dela Rosa, K. & Eskenazi, M. (2011). *Speech Synthesis and Motivation in Computer-Assisted Language Learning*. Submitted to FLAIRS 2011, Palm Beach, USA.

Parent, G. & Eskenazi, M. (2010). *Toward better crowdsourced transcription: transcription of a year of the Let's Go Bus information System data*. In Proceedings of the IEEE Workshop on Speech and Language Technology 2010, Berkeley, USA.

Black, A. W., Langner, B., Parent, G. & Eskenazi, M. (2010). *Spoken Dialog Challenge 2010*. In Proceedings of the IEEE Workshop on Speech and Language Technology 2010, Berkeley, USA.

Parent, G. & Eskenazi, M. (2010). *Lexical Entrainment of Real Users in the Let's Go Spoken Dialog System*. In Proceedings of Interspeech 2010, Tokyo, Japan.

Parent, G. & Eskenazi, M. (2010). *Clustering Dictionary Definitions using Amazon Mechanical Turk*. In Proceedings of the NAACL/HLT workshop on Creating Speech and Language Data with Amazon's Mechanical Turk, Los Angeles, USA.

Dela Rosa, K., Parent, G. & Eskenazi, M. (2010). *Multimodal Learning of Words: A study on the use of speech synthesis to reinforce written text in L2 language learning*. In Proceedings of the SLaTE Workshop on Speech and Language Technology in Education, Tokyo, Japan.

Parent, G., Gagnon, M., & Muller, P. (2008). *Annotation d'expressions temporelles et d'événements en français*. In Proceedings of Traitement Automatique des Langues Naturelles 2008, Avignon, France.

Posters

Parent, G. (2010). *Acoustic converge in a spoken dialog system*. Poster session presented at the Young Researchers Round Table on Spoken Dialog Systems 2010, Tokyo, Japan.

Parent, G. & Eskenazi, M. (2010). *Crowdsourcing Learning Studies*. Poster session presented at the annual meeting of the inter-Science of Learning Center, Boston, USA.

Dela Rosa, K., Parent, G. & Eskenazi, M. (2010). *Multi-modal Learning of Words: An Exploratory Study*. Pittsburgh Science of Learning Center site visit 2010, Pittsburgh, USA.

Program Committee

Member on the program committee for the North American Association Computational Linguistic (NAACL) / Human Language Technology (HLT) workshop on Creating Speech and Language Data With Amazon's Mechanical Turk, Los Angeles, 2010.
Member on the program committee for the Language Technologies Institute Student Research Symposium 2010.

Contribution to Projects

CMU tellus Spoken Dialog System	2010 - present
<ul style="list-style-type: none">Define the specifications of the systemDesign, implement and test the various modules of the system	
Let's Go Spoken Dialog System	2010 - present
<ul style="list-style-type: none">Use crowdsourcing to transcribe dialogsMaintain and develop the system to meet new requirements	
REAP vocabulary tutor	2009-2010
<ul style="list-style-type: none">Contributed to the implementation of speech synthesis in the tutor for Fall 2009Designed and implemented the study on multimodal learning for Spring 2010Helped with the implementation of the study for Summer 2010	
DEDO: temporal annotator	2008-2009
<ul style="list-style-type: none">Designed the architecture, implemented and tested the systemConstructed linguistic rules for detecting temporal expressions and events	
FPGA MP3 Decoder	2009
<ul style="list-style-type: none">Migrated a PC-running code toward a code that runs under Microblazes on Field Programme Gate Away (FPGA)Developed a test suite to insure that the system works properly	

Grants and Scholarships

Fonds Québécois de la Recherche sur la Nature et les Technologies. Master Research Scholarship	2010
Natural Sciences and Engineering Research Council of Canada, PGS Master Scholarship	2009
CAE/Fraser scholarship	2009
Fairfax Financial Holdings Ltd. scholarship	2006, 2007 and 2008
Natural Sciences and Engineering Research Council of Canada, Undergraduate Research Awards	2007 and 2008

Honors

De Vinci Distinction of École Polytechnique de Montréal (http://www.polymtl.ca/devinci/)	2009
<ul style="list-style-type: none">Based on the excellence of technical realizations as well as on social involvement	
Dean's List of Excellence of École Polytechnique de Montréal	2005 - 2009

Spoken and Written Languages

French (Mother tongue) English (Very good) Spanish (Good) Arabic (Beginner)

Computer Knowledge and Technical Skills

Programming languages: Python, C/C++, Java, VHDL, SystemC, Prolog
Web development: Django, jQuery, PHP
Server and database management: Apache, MySQL
Operating Systems: Linux, Windows, MacOS
Microsoft Certified Professional #3123316

Volunteering and Extracurricular activities

État d'Urgence (http://www.atsa.qc.ca)	Editions 2006, 2007, 2008, 2009
<ul style="list-style-type: none">Prepare food and serve it to the homeless	
Sustainable committee <i>Polysphère</i> , École Polytechnique de Montréal	2005 - 2009
<ul style="list-style-type: none">Occupied various responsibilities, including <i>Fair Trade</i> and <i>Sustainable Dish</i>Inform the university community about several other environmental topics	
Representative on the <i>Class Representation Council</i> of the Computer Engineering Department of École Polytechnique de Montréal	2005 - 2009

Non-Academic Interests

Scuba Diving: PADI Assistant Instructor, 200+ logged dives, pro #255058
Paragliding: working on the novice certification
Travelling: Central America, South America, Thailand
Music: guitar, piano and diatonic accordion (yes that's right, diatonic accordion!)