

Juan Miguel Pino

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- **Objective:** pursue a PhD in Machine Translation.
- **Strengths:** well-rounded skills in NLP, strong background in math, fluent in several languages.

EDUCATION

2007-Present	Language Technologies Institute, Carnegie Mellon University, M.S.'s Candidate <ul style="list-style-type: none">• Research: cloze question generation, hints for open cloze questions, distractor generation, word sense disambiguation. Advisor: Pr. Maxine Eskenazi.• Courses: broad range of NLP courses, one linguistics course, one semester of Chinese.
August 2007	Awarded Diplôme d'Ingénieur de l'Ecole Polytechnique (Master's level)
2004-2007	Ecole Polytechnique <ul style="list-style-type: none">• Major: computer science (automata, formal languages, logic, calculability, computer architecture, conception and analysis of algorithms, compilation, operating systems, networks, etc.) and math.• Foreign languages: English, Spanish, German, Arabic, Russian• Other: one linguistics course, physics, economy, chemistry, sports, etc.
September 2006	Awarded BSc in Sciences
2004	Admitted to the Ecole Polytechnique, one of France's leading universities for science and engineering
2001-2004	Preparatory Classes for entrance examinations to the French <i>Grandes Ecoles</i> (track: Math, Physics, engineering science, computer science; Lycée Faidherbe, Lille)
2000-2001	Conservatories of Lille and Roubaix, awarded advanced diploma of piano with very high honors, gold medalist, final diploma of piano with high honors, second year in harmony magna cum laude, first year in piano accompaniment with high honors
2000	Baccalaureate in sciences (Math and Physics track) awarded with very high honors (Lycée Fénélon, Lille)

PUBLICATIONS

2008

- **Pino, J.**, Heilman, M. and Eskenazi, M. (2008) A Selection Strategy to Improve Cloze Question Quality. Proceedings of the Workshop on Intelligent Tutoring Systems for Ill-Defined Domains. 9th International Conference on Intelligent Tutoring Systems.
- Heilman, M., Zhao, L., **Pino, J.**, and Eskenazi, M. (2008) Retrieval of Reading Materials for Vocabulary and Reading Practice. The 3rd Workshop on Innovative Use of NLP for Building Educational Applications. Association for Computational Linguistics.
- (In Submission) **Pino, J.**, Eskenazi, M. Measuring Hint Level for Open Cloze Questions. FLAIRS 2009.

AWARDS

2008

- Research Assistant Fellowship

2007

- Prix d'Option awarded by Ecole Polytechnique (ranked amongst three best internships in computer science)
- Research Assistant Fellowship

RESEARCH EXPERIENCE

2008

- Cloze and Open Cloze Question Generation
- Effects of hints on open cloze questions
- Distractor generation
- Engineering: remodel a PHP/MySQL interface into a Servlets and JSP interface
- Built Synthesizer and Recognizer of Russian language in the SPICE project framework

2007

- Built a French version of the REAP software, a tutoring system for vocabulary learning.
- Contributed to the organization of the SLATE 2007 Workshop.

2005-2006

- Scientific team research project with six students on "Cognitive science applied to sustainable development" (study of the evolution of fishermen and fish on a chessboard, with evolving strategies)
- Computer science project: program returning the anagrams of a word which "sound" French or English, etc., depending on the chosen dictionary
- Applied mathematics project: is it possible to recognize the shape of a drum through its sounds?
- Applied mathematics and computer science project: solving the traveling salesman problem by the algorithm of simulated annealing

WORK EXPERIENCE

2004-2005	Leadership training in the French Navy: Junior Officer of the Watch, Assistant Officer for naval intelligence, aide-de-camp on board the Landing Ship Dock <i>Ouragan</i> from November 29 th 2004 to March 31 st 2005, part of the first year curriculum of the Ecole Polytechnique
August 2006	Nurse's assistant in the trauma ward in a hospital in Novosibirsk, Russia
2005-2006	Tutoring undergraduate students in mathematics
2000-2001	Piano classes and piano accompaniment.

SKILLS

Languages		Computer	
French	Native language	Languages	Java, Perl,
Spanish	Native language		PHP/MySQL, C++
English	Fluent (TOEFL:117)	Packages	R, Maple, Scilab
German	Very good (ZOP: 240.5)		
Russian	Working knowledge	Applications	Office tools and
Arabic	Basic knowledge		presentation software
Chinese	One semester (150 characters)	Operating Systems	Linux(FC7)/Windows

EXTRACURRICULAR ACTIVITIES

- Learning foreign languages
- Music: African drum djembe and piano
- Sport: long-distance running (1st at Ecole Polytechnique 2006 race, 2nd at 2008 Pretty Good Race)
- Literature: especially French (Vian) and Russian (Dostoïevski) literature
- Dance: salsa
- Movies: especially Asian (3-Iron), American (Gattaca), French (Goutte d'eau sur pierres brûlantes) and German (Life of Others) movies
- Traveling

MISCELLANEOUS

Driving license, ocean navigation certificate