

Daniel Déchelotte
Born: 02/02/80 (France)
French

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Ph. D. in IT
Télécom ParisTech Engineer

Education

Ph. D. in IT	CNRS (Limsi) . September 2004 → December 2007. Title: “Automatic Speech Translation by Statistical Methods”.
Master in IT	INRIA (Loria) . September 2002 → April 2004.
Engineering degree	ENST . September 1999 → July 2002. The École Nationale Supérieure des Télécommunications is one of France’s leading graduate level engineering schools. Focused on signal and image processing, as well as CS.
Preparatory school	Lycée Hoche . September 1997 → June 1999.
Baccalauréat	Scientific section . With honours. July 1997.

Skills

Natural language processing	Language modeling : stochastic language models, translation models. Automatic speech recognition : acoustic models, decoding strategies. Pattern recognition : CRF, Bayesian classification, SVM... Machine learning : AdaBoost, active learning...
Computer sciences	Cloud computing : distributed computing with Hadoop and Pig, MapReduce algorithm. Languages : C, Python, Java, C++, PHP, Perl, shells, \LaTeX ... OS : Unix (Linux, Solaris, AIX) and Windows.
Foreign languages	French : mother tongue. English : fluent. German, Arabic : notions.

Professional experience

Microsoft R&D France	Issy-les-Moulineaux (France) . Since August 2010. Software developer, working on the <i>Bing</i> search engine.
Yahoo! Inc.	Paris (France) . April 2008 → March 2010. <i>Search</i> scientist. Improved and developed models that have been deployed in the search engine. Detected user intent and rewrote queries so as to maximize search results’ relevance.
Limsi-CNRS	Orsay (France) . July 2004 → March 2008. Designed and implemented Limsi-CNRS’ first statistical translation, and took part to several international evaluation campaigns. Ran experiments integrating speech recognition and translation. Published scientific articles and a Ph.D. thesis in IT.
Paris-Sud University (part-time job)	Orsay (France) . January 2005 → January 2006. Practicals teaching in C++, and Algorithmics and System.
IBM (internship)	T.J. Watson Research Center (New York) . April 2003 → April 2004. Ported the large vocabulary, speech-to-speech translation system to a PDA.
OpenTV (internship)	Mountain View (California) . August 2001 → December 2001. Improved a prototype OS running on a set-top box to run multiple applications simultaneously.
Airbus UK (training period)	Filton (England) . July 2000 → August 2000. Created from scratch a software tool to test one of the A340-600’s on-board computers.

Projects and activities

Hobbies	“Frontenac-Amériques” not-for-profit organisation webmaster, running, bridge, tennis...
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