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Francisco Iacobelli

Education

- 1990-1996 **Ingeniero Civil Informático**, *Universidad Diego Portales*, Santiago, Chile.
- 2003-2005 **MSc**, *DePaul University*, Chicago, Computer Science.
AI in Education. Advisor: Peter Hastings
- 2005-current **PhD**, *Northwestern University*, Chicago, Computer Science.
Advisor: Larry Birnbaum

Experience

Research and Academic

- 2005-Present **Ph.D. Candidate**, *Northwestern University*, Evanston, IL. USA.
Research focus is on intelligent information retrieval from the web, exploring techniques to present users with diversity and quality of information about particular topics. Current and past research blends computational linguistics, machine learning and Human Computer Interaction. Has guided several undergraduates on their work as research assistants.
- June-July, 2010 **Consultant**, *University of Edinburgh*, Edinburgh, UK.
Advised the IDEA project, a collaboration between the School of Informatics and the School of Divinity, on text analysis and techniques to implement an automatic writing style coach
- 2007-present **Teaching Assistant**, *Northwestern University*, Evanston, IL. USA.
Has been a teaching assistant for Human Computer Interaction, Introduction to Artificial Intelligence, Machine Learning, Fundamentals of Programming (OOP) and one special topics class on online communities.
- July-September, 2007 **Intern**, *Center for Urban School Improvement*, University of Chicago, Chicago, IL. USA.
Developed a virtual financial system to stimulate students to participate in an online community as part of a bigger program that integrates technology with education in charter schools
- 1996-1998 **Instructor**, *Instituto de Capacitacion Nacional*, Santiago, Chile.
Taught a recurring workshop on software design and development using CASE tools.

Professional

- 2000-2005 **Technical Specialist**, *The Revere Group*, Chicago, IL. USA.
Implemented advanced searches and filters using fuzzy search algorithms, lead a small project in coordination with The Revere Group's office in India and Developed online business systems for a wide variety of companies and corporations. Among others: a membership system for a major real estate association, a de-dupping system for a university and a web based professional time tracking package for a small consulting company. Additionally, attended several training sessions and certifications on programming languages and business software.

1998–1999 **Consultant**, *Soluzion S.A.*, Santiago, Chile.
Customized a dealership system (Global DMS) for the largest Ford dealer in Chile. This included workflow of the system, legal considerations for the Chilean sales model and miscellaneous customization.

1997–1998 **Program Coordinator**, *Red de Desarrollo Solidario*, Santiago, Chile.
Developed online repositories of information for twelve non-for-profit organizations across Chile. Additionally, organized several workshops focusing on social development and non-profit management for the twelve organizations.

Volunteer

2001-2005 **Mentor**, *Highsight*, Chicago, IL.
Mentored at-risk high schoolers in math and Spanish. In 2005, 98% of the seniors at HighShight got accepted to college

Languages

Spanish	Excellent	<i>Written and spoken</i>
English	Excellent	<i>Written and spoken</i>
Portuguese	Basic	<i>Basic conversation</i>

Technical Skills

Programming and Scripting Languages	Python, Java, C++, C, Perl, PHP, Lisp, R, SQL, T-SQL, Javascript HTML, CSS, VisualBasic 6.0, ASP, JSP, Struts, JSF
Operating systems	Linux, Windows, MacOS, Maemo
Software for social sciences	MAX QDA,PRAAT , Anvil, Elan
Other software for research	Video editing packages for Windows/MacOS/Linux such as VirtualDub, AviSynth, iMovie, Kino and Avidemux; LaTeX, Weka, NLTK, Panda3D

Scientific community involvement

Journal reviewer	International Journal of Artificial Intelligence in Education No.7, 2007
Conference reviewer	Reviewer for the Design of Interactive Systems (DIS) 2010; Co-reviewer for Computer Human Interaction (CHI) 2008 and for the European Conference on AI (ECAI) 2006's Workshop on Language-Enabled Educational Technology
Conference Chair	Co-Chaired poster sessions for Interaction Design for Children (IDC) '08

Miscellaneous

Awards	Illinois 50 for the future award, 2009
Memberships	Alliance for Graduate Education and the Professoriate (AGEP) Fellow, 2008-present
Citizenship	U.S.
Hobbies	Flamenco Guitar, Outdoor sports

Publications

— Press —

New Scientist. Finding the facts that online news leaves out. <http://bit.ly/ba0PpB>, March 2010.

L'Atelier. TellMeMore complète automatiquement les articles d'actualité. <http://bit.ly/9OSpiX>, March 2010.

Le Monde. L'ère des robots-journalistes. <http://bit.ly/cGbv2m>, March 2010.

— Presentations —

Francisco Iacobelli, Kristian Hammond, and Larry Birnbaum. Make my page: Social media in context. Presentation at the LSAMP AGEF Conference, Purdue University, Nov. 2008.

Francisco Iacobelli. Ethnic identity and engagement in embodied conversational agents. Presentation at the School of Learning Sciences. Northwestern University, 2007.

Francisco Iacobelli. Ethnic identity and engagement in embodied conversational agents. Presentation at the Electronic Visualization Lab (EVL) at University of Illinois at Chicago., 2007.

Francisco Iacobelli and Paul Tepper. Annotation tools for gesture analysis. Presentation at the International Society for Gesture Studies (ISGS) Conference, Northwestern University, July 2007.

— Papers —

Jessie Paterson, Christian Lange, Iqbal Akhtar, Francisco Iacobelli, Paul Anderson, and Annette Leonhard. exploring the use of computational linguistics for automated formative feedback in the humanities. In *eAssessment Scotland (EAS2010)*, September 2010.

Francisco Iacobelli, Nathan Nichols, Larry Birnbaum, and Kristian Hammond. Finding new information via robust entity detection. In *Proactive Assistant Agents (PAA2010) AAAI 2010 FALL SYMPOSIUM*, November 2010.

Francisco Iacobelli, Kristian Hammond, and Larry Birnbaum. Synergy between automatic content generation and social media. In *Third workshop on Mashups, Enterprise Mashups and Lightweight composition on the web at WWW2010.*, April to appear.

Francisco Iacobelli, Larry Birnbaum, and Kristian Hammond. Tell me more, not just "more of the same". In *Proceedings of the IUI 2010*, Hong Kong, China, Feb 2010. ACM.

Francisco Iacobelli, Kristian Hammond, and Larry Birnbaum. Makemypage: Social media meets automatic content generation. In *Proceedings of the ICWSM '09*, San Jose, CA, May 2009. AAAI.

Francisco Iacobelli, Alastair Gill, Scott Nowson, and Jon Oberlander. Classification of personality in large blog data. In *To appear in the Nineteenth Annual Meeting of the Society for Text and Discourse*, Rotterdam, Netherlands, July 2009.

Francisco Iacobelli and Justine Cassell. Ethnic identity and engagement in embodied conversational agents. In *proceedings of the 7th International Conference of Intelligent Virtual Agents*, pages 57–63. 2007.

David Huffaker, Joseph Jorgensen, Francisco Iacobelli, Paul Tepper, and Justine Cassell. Computational measures for language similarity across time in online communities. In *Proceedings of the Analyzing Conversations in Text and Speech*, pages 15–22, New York City, New York, June 2006. Association for Computational Linguistics.