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Francisco Iacobelli

Education

- 2005–2010 **PhD**, *Northwestern University*, Chicago, Computer Science.
Advisor: Larry Birnbaum
Degree to be officially awarded: March, 2011
- 2003–2005 **MSc**, *DePaul University*, Chicago, Computer Science.
AI in Education. Advisor: Peter Hastings
- 1990–1996 **Ingeniero Civil Informático**, *Universidad Diego Portales*, Santiago, Chile.

Experience

Research and Academic

- Jan, 2011 - Present **Post-Doctoral Fellow**, *Northwestern University*, Evanston, IL. USA.
Working with prof. Daniel Diermeier at the Ford Center for Global Citizenship in the Kellogg School of Management. Research focus is on data mining and detection of behavioral and linguistic patterns that help predict potential risks for businesses
- Jan, 2011 - Present **Lecturer**, *Northwestern University*, Chicago, IL. USA.
Teaching a course on understanding technology and human interaction –with an interdisciplinary approach to design and a practical focus for working students– at the undergraduate program of the School Of Continuing Studies
- 2005–2010 **Ph.D. Student**, *Northwestern University*, Evanston, IL. USA.
Advisor: prof. Larry Birnbaum. Research focus was 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
- 2007–2010 **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 course 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. Some of these included: 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**, *Soluziona S.A.*, Santiago, Chile.
Customized a dealership system (Global DMS) for the largest Ford dealer in Chile. Tasks included process specification and customization of workflow in the system, introduction of legal considerations for the Chilean trade, and other 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 HighSight got accepted to college

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

Languages

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

Technical Skills

- Programming Languages Python, Java, C++, C, Perl, PHP, Lisp, SQL, Javascript, HTML, CSS, DotNet
- Operating Systems Linux, Windows, MacOS, Android
- Software Associated with Research Several Video editing packages for Windows/MacOS/Linux; Coding tools like: MAX QDA,PRAAT, Anvil, Elan; Support software such as: R, Weka, NLTK, Panda3D

Miscellaneous

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|-------------|---|
| 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/90SpiX>, March 2010.

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

Presentations

F. Iacobelli, "Purposeful and distinct information. the case of online news." Presentation at Yahoo! Research, July. 2010.

F. Iacobelli, K. Hammond, and L. Birnbaum, "Make my page: Social media in context." Presentation at the LSAMP AGEP Conference, Purdue University, Nov. 2008.

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

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

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

Papers

J. Paterson, C. Lange, I. Akhtar, F. Iacobelli, P. Anderson, and A. Leonhard, "Exploring The Use Of Computational Linguistics For Automated Formative Feedback In The Humanities," in *International Conference of Education, Research and Innovation (ICERI) 2010*, November 2010.

F. Iacobelli, N. Nichols, L. Birnbaum, and K. Hammond, "Information finding with robust entity detection. the case of an online news reader," in *Human-Computer Interaction: The Agency Perspective* (M. Zacarias and J. Valente de Oliveira, eds.), Springer, Book chapter under review, Spring 2011.

J. Paterson, C. Lange, I. Akhtar, F. Iacobelli, P. Anderson, and A. Leonhard, "Exploring the use of computational linguistics for automated formative feedback in the humanites," in *eAssessment Scotland (EAS2010)*, September 2010.

- F. Iacobelli, N. Nichols, L. Birnbaum, and K. Hammond, "Finding new information via robust entity detection," in *Proactive Assistant Agents (PAA2010) AAAI 2010 Fall Symposium*, November 2010.
- F. Iacobelli, K. Hammond, and L. 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 2010.
- F. Iacobelli, L. Birnbaum, and K. Hammond, "Tell me more, not just "more of the same"," in *Proceedings of the IUI 2010*, pp. 81–90, ACM, Feb 2010.
- F. Iacobelli, K. Hammond, and L. Birnbaum, "Makemypage: Social media meets automatic content generation," in *Proceedings of the ICWSM '09*, AAAI, May 2009.
- F. Iacobelli, A. Gill, S. Nowson, and J. Oberlander, "Classification of personality in large blog data," in *To appear in the Nineteenth Annual Meeting of the Society for Text and Discourse*, July 2009.
- F. Iacobelli and J. Cassell, "Ethnic identity and engagement in embodied conversational agents," in *Proceedings of the 7th International Conference of Intelligent Virtual Agents*, pp. 57–63, July 2007.
- D. Huffaker, J. Jorgensen, F. Iacobelli, P. Tepper, and J. Cassell, "Computational measures for language similarity across time in online communities," in *Proceedings of the Analyzing Conversations in Text and Speech*, pp. 15–22, Association for Computational Linguistics, June 2006.