

Francisco Iacobelli

5500 N. St. Louis Ave
Chicago, IL 60625
☎ phone (773)257-3430
✉ f-iacobelli@neiu.edu
<http://www.fid.cl>

Education

- 2005–2010 **PhD**, *Northwestern University*, Chicago, Computer Science.
2003–2005 **MSc**, *DePaul University*, Chicago, Computer Science.
1990-1996 **Ingeniero Civil Informático**, *Universidad Diego Portales*, Santiago, Chile.

Experience

Research and Academic

- Aug, 2017 - **Associate Professor**, *Northeastern Illinois University*, Chicago, IL.
Present Teaches undergraduate and graduate courses, performs graduate advising, mentors student researchers. Manages several grants of varied scope and in roles ranging from PI to advisor
- June, 2016- **Core Leader, NIH U54 Grant**, *Northeastern Illinois University, Northwestern University and the University of Illinois at Chicago*.
Present Help lead a team of people across institutions to develop multidisciplinary programs to involve students in a pipeline of professionals that focus their research on health disparities in the Chicagoland area
- Aug, 2011 - **Assistant Professor**, *Northeastern Illinois University*, Chicago, IL.
May, 2017 Assistant Professor and Graduate Advisor for the Department of Computer Science
- Jan - Aug, **Post-Doctoral Fellow**, *Northwestern University*, Evanston, IL. USA.
2011 Worked at the Ford Center for Global Citizenship in the Kellogg School of Management. Research focus is on computational linguistics methods that help predict political behavior
- Jan - Aug, **Lecturer**, *Northwestern University*, Chicago, IL. USA.
2011 Taught ga 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, **Consultant**, *University of Edinburgh*, Edinburgh, UK.
2010 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- **Intern**, *Center for Urban School Improvement*, University of Chicago, Chicago, IL. USA.
September, Developed a virtual financial system to stimulate students to participate in an online community
2007 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

2015-Present **Consultant**, *DataOwls*, Chicago-Central America.
Offers strategy consultancy and training on big data and data science to companies both in Chicago and in Central America

2011–2014 **Advisor for R&D**, *BlueMessaging Inc.*, Mexico City, Mexico.
Directed, advised and implemented artificial intelligence technologies for a marketing startup

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.

Service to the Department of CS and to the University

2013-Present **NETT Day Chair**, *NEIU*.
Organized a day-long event full of keynote speakers, workshops and vendors since 2013

2011-Present **Search and Screen Chair**, *NEIU*.
Conducted and helped conduct searches for faculty and staff positions within our department and in other departments of the university

2011-2015 **Graduate Advisor**, *NEIU*.
Processed applications for our graduate program in computer science, dealt with issues that affected our international and domestic students, advise students on courses, pre-requisites and strategies to succeed in graduate school. Modified graduate curriculum (pre-requisites and sequences of courses) to attain a higher degree of uniformity in terms of preparation of our students.

2011-Present **Assistant/Chair/Co-Chair**, *NEIU*.
Have participated in various leadership roles on initiatives and committees at the departmental, college and university levels.

Scientific community involvement

- Journal reviewer International Journal of Artificial Intelligence in Education, British Journal of Educational Technology
- Conference reviewer Reviewer for the Design of Interactive Systems (DIS); Computer Human Interaction (CHI), European Conference on AI (ECAI), World Conference on Personality Recognition (WCPR)
- Workshops Co-Chaired poster sessions for Interaction Design for Children (IDC); Chaired workshop on Grant Writing by the Office of Minority Health

Courses Taught/Mentoring

- Undergraduate Programming I and II, Discrete Structures, Mobile Application Development, HCI, Introduction to Natural Language Processing, Server Side Programming
- Masters Machine Learning, Expert Systems, Artificial Intelligence, AI and Robotics, Databases, Web Application Development
- Mentoring Mentored many Masters' Projects, Independent studies in big data, operating systems and web application development. In research, students have presented at SACNAS and HENAAC undergraduate conferences. Some student research has been published in journals and peer refereed conferences

Languages

- Spanish **Excellent** *Written and spoken*
- English **Excellent** *Written and spoken*
- Portuguese **Basic** *Basic conversation*

Technical Skills

- Programming Languages Python, Java, C++, C, Perl, PHP, Lisp, SQL, Javascript, HTML, CSS, .NET, Swift, ObjectiveC
- Operating Systems Linux, Windows, MacOS, Android,iOS
- 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

- Awards Northeastern Illinois University Excellence in Service, 2015, Illinois 50 for the future award, 2009
- Memberships Alliance for Graduate Education and the Professoriate (AGEP) Fellow, 2008-2011
- Citizenship U.S.

Publications

- F. Iacobelli and H. Bai, "Self-efficacy and Performance of Students Using an Open Online Question Answering Service in Computer Programming Courses," (*Under Review*)

Journal of Computing in Higher Education, 2017.

P. Shrivastava, A. Valis, O. Adabuk, X. Wang, and F. Iacobelli, “A Dialogue System to Educate About Breast Cancer,” 2017.

J. Buscemi, D. Buitrago, F. Iacobelli, F. Penedo, C. Maciel, A. Balakrishnan, M. Corden, R. F. Adler, L. Bouchard, A. Perez-Tamayo, and B. Yanez, “Feasibility of a smartphone-based intervention for Hispanic breast cancer survivors.,” (*Under Review*) *Journal of Translational Behavioral Medicine*, 2017.

D. Buitrago, C. Maciel, N. Shivaprakash, J. Buscemi, A. Perez-Tamayo, Y. Castro, R. F. Adler, F. Iacobelli, M. Rodriguez, P. Frank, and B. Yanez, “Development of a Patient-Centered Smartphone Application for Hispanic Breast Cancer Survivors,” in *Oral Presentation at The 14th International Conference of the Society for Integrative Oncology*, (Chicago, IL), 2017.

B. R. Yanez, D. Buitrago, J. Buscemi, F. Iacobelli, R. Adler, M. Corden, A. Perez-Tamayo, and F. Penedo, “Study Design and Protocol for My Guide: an e-Health Intervention to Improve Patient-Centered Outcomes Among Hispanic Breast Cancer Survivors,” *Under Review (Contemporary Clinical Trials of BMC Cancer)*, 2017.

R. F. Adler, F. Iacobelli, and Y. Gutstein, “Are you convinced? A Wizard of Oz study to test emotional vs. Rational persuasion strategies in dialogues,” *Computers in Human Behavior*, vol. 57, pp. 75–81, 2016.

A. J. Gill and F. Iacobelli, “Understanding Socially Constructed Concepts Using Blogs Data,” in *Third AAAI Conference on Human Computation and Crowdsourcing*, (San Diego, CA), 2015.

N. Dowell, L. Windsor, M.-L. Germany, F. Iacobelli, and A. Graesser, “The partisan divide: A computational linguistic analysis of bias in the senate,” in *Proceedings of the 15th meeting of the Society for Text and Discourse.*, 2015.

R. F. Adler, F. Iacobelli, and Y. Gutstein, “Are You Convinced? A Wizard of Oz Study to Test Emotional vs. Rational Persuasion Strategies in Dialogues,” in *Proceedings of the 10th International conference on Persuasive Technology PERSUASIVE 2015*, 2015.

V. R. Martínez, L. E. Perez, F. Iacobelli, S. Suarez Bojórquez, and V. M. Gonzalez, “Semi-Supervised Approach to Named Entity Recognition in Spanish Applied to a Real-World Conversational System,” in *proceedings of the 7th Mexican Conference on Pattern Recognition (MCPRI5)*, 2015.

G. Alastair and F. Iacobelli, “Generative Topic Modeling for Concept Understanding,” in *Proceedings of the 14th meeting of the Society for Text and Discourse.*, 2014.

J. Chaney, A. Fiss, F. Iacobelli, and P. E. J. Carey, “Balancing Graduate School and Family,” in *In GPS for Graduate School: Students Share Their Stories.* (M. J. T. Smith and M. M. Browne, eds.), ch. 6, 2014.

F. Iacobelli and B. A. Culotta, “Too Neurotic, Not too Friendly: Structured Personality Classification on Textual Data,” in *ICWSM Workshop on Personality Classification*, 2013.

- F. Iacobelli, *Augmenting News Stories With Distinct Information*. ProQuest, UMI Dissertation Publishing, July 2012.
- 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. Studies in Computational Intelligence*, vol. 396, pp. 375–387, 2012.
- A. Gill, F. Iacobelli, and N. Gilbert, "The Projection of Quality and Reputation in Scholarly Journal Description," *21st meeting of the Society for Text and Discourse*, 2011.
- F. Iacobelli, A. Gill, S. Nowson, and J. Oberlander, "Large scale personality classification of bloggers," *Proceedings of the 4th international conference on Affective computing and intelligent interaction*, pp. 568–577, 2011.
- F. Iacobelli, L. Birnbaum, and K. Hammond, "Synergy Between Automatic Content Generation and Social Media," in *Third workshop on Mashups, Enterprise Mashups and Lightweight composition on the web (MEM2010) at WWW2010*, (Raleigh, NC. USA), Apr. 2010.
- F. Iacobelli, L. Birnbaum, and K. J. Hammond, "Tell me more, not just more of the same," in *IUI '10 Proceedings of the 15th international conference on Intelligent user interfaces*, pp. 81–90, 2010.
- F. Iacobelli, N. Nichols, L. Birnbaum, and K. Hammond, "Finding New Information via Robust Entity Detection," *Artificial Intelligence*, pp. 32–37, 2010.
- 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 *eAssessment Scotland (EAS2010)*, Sept. 2010.
- 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*, pp. 5303–5312, Nov. 2010.
- F. Iacobelli, A. J. Gill, S. Nowson, and J. Oberlander, "Classification of Personality In Large Blog Data," in *19th Annual Meeting of the Society for Text and Discourse*, July 2009.
- F. Iacobelli, K. J. Hammond, and L. Birnbaum, "MakeMyPage: Social Media Meets Automatic Content Generation," in *3rd International Conference of Weblogs and Social Media*, (San Jose, CA), May 2009.
- F. Iacobelli and J. Cassell, "Ethnic Identity and Engagement in Embodied Conversational Agents," in *Intelligent Virtual Agents*, vol. 4722 of *Lecture Notes in Computer Science*, ch. 6, pp. 57–63, Springer-Verlag, Berlin Heidelberg, 2007.
- D. Huffaker, J. Jorgensen, F. Iacobelli, P. Tepper, and J. Cassell, "Computational measures for language similarity across time in online communities," in *ACTS '09: Proceedings*

of the HLT-NAACL 2006 Workshop on Analyzing Conversations in Text and Speech,
(Morristown, NJ, USA), pp. 15–22, Association for Computational Linguistics, 2006.