

Blanca MANCILLA

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Written, spoken: English, French, Spanish.

Other: German, B1 level currently in Goethe Institut.

Professional Profile

I have +10 years of experience in Computer Science research and teaching, and almost two years in Web development. I want to capitalize my skills and knowledge working in a team to create unique products to shape the future, disseminate knowledge to empower communities, to work in core problems. I am always learning and experimenting with current technologies, attending MeetUps, reading and writing technical blogs, or on Twitter.

Positions

2013–now **Consultant**, Montreal, Canada (Web Developer and Technical Writer)

- Back-end developer using TDD and Ruby on Rails in a team of three.
- From conception to deployment (in Heroku) as sole developer in Ruby on Rails of a web portal for LORI.biz, a Montreal startup.

<http://www.lori.biz>

- Design and front-end development using CSS and HTML of a static site.

<http://vinka-creations.bitballoon.com>

- Technical Writer: Rewrite developers' interviews as reports for tax rebate claims.

2004–2015 **Faculty Member** (in Computer Science), UNSW Australia, Sydney

- Lecturer; theses supervisor, assessor and advisor.
- Researcher, team member, documentation writer, software evaluator.
- Assignment conception, specification, deployment and marking.
- Course administrator, curriculum advisor and assessor.

2009–2012 **Faculty Member**, University of Technology, Sydney (UTS), Australia

- Lecturer; curriculum redesigner; specification writer.

1993–1995 **Student Assistant** (Remote Sensing), Laval University, Québec, Canada

1991–1992 **System administrator**, IBM AS/400, Electro-Alloys, NY, USA

Computer skills snapshot

- **Web programming** in Ruby on Rails, testing, CSS and Bootstrap, HTML, hook up to third party services (S3 buckets, Stripe, MailChimp, databases, social media).

- **Intermediate** in Python
- **Beginner** in JavaScript, JQuery, Django.
- **Open source** development tools, Linux, shell scripting, CLI, git, \LaTeX .
- **Teaching knowledge** in programming languages (C, Java, Haskell), geographical information systems applied to civil engineering, ArcGIS, human computer interaction, information systems, computer graphics.

Research Software

SuperSpreadSheet (S^3), <https://github.com/bluciam/superspreadsheet>

The purpose of this project was to display contextual electronic documents using the experimental programming language TransLucid. The case study used was a multidimensional spreadsheet and the framework was based on gtkmm.

Anita Conti Mapping Server, <https://github.com/bluciam/anita-jsp-2005>

This multilingual, multiversion collaborative tool was developed using JSP and the in-house library intense. Development iterations followed a constant change of requirements and research discoveries. The prototype was the base for my PhD.

TransLucid Project, <http://sourceforge.net/projects/translucid>

The project consisted of developing the concepts of Cartesian Programming and TransLucid. My role in the team was to participate in the planning stage, and to design the documentation structure. I was also the first user and tester.

Education

- 1999–2004 PhD, Computer Science, UNSW Australia, Sydney
- 1993–1995 MSc, Geomatic Sciences, Laval University, Québec, Canada
- 1989–1991 BSc, Computer Electronic Science, Iona College, NY, USA
- 1984–1988 BEng, Computer Systems Engineering (four of five years), Industrial University of Santander (UIS), Colombia

Conference and Workshops Organization

- 2015 *PyLadies MeetUp Montreal*
Presentation: *Learn to love the command line* (slides here)
Workshop (in preparation): *git and gihub for Pythonists*
- 2001–2002 *International Conference on Distributed Communities on the Web*, DCW 2002
Local Arrangements Chair: Webmaster; budget and conference manager.
- 2000–2002 *Women in Computing*, UNSW, Director and founder:
Liaison between community stakeholders; conception of events.
- 2000–2003 *Girls in Science and Technology Workshops* (an Anita Borg initiative),
Founder, organizer, host: HTML, lego mindstorms and iMovie workshops.

Publications, <http://plaice.web.cse.unsw.edu.au/archive/BLM>

Total	28	Books	1	Book Chapters	1
		Journal Articles	5	Theses	2
		Conference Articles	17	Compilations	2