

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 over a year in Web development. I want to capitalize my skills and knowledge in working in a team to create unique products to shape the future, disseminate knowledge to empower capable minorities, 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

- 2012–now **Consultant**, Montreal, Canada (Web developer and Technical Writer)
- Backend developer: Test-driven development in Rails in a team of three (on going).
 - Web developer: From conception to Heroku deployment as sole developer in Ruby on Rails for a Montreal startup (testing stage).
<https://evening-harbor-6988.herokuapp.com>
 - Design and front-end development using CSS and HTML of a static site.
<http://vinka-creations.bitballoon.com>
 - Technical Writer: Rewrite developers' interviews as tax rebate claims and reports.
- 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 Amazon Web Services, MailChimp, databases).

- **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 demonstrate the use of contextual electronic documents: case study, the multi-spreadsheet. It covered conception, research, design and implementation.

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

The ACMS project was developed as a proof of concept. Development iterations had to accommodate the constant change of requirements, tools and research discoveries. This prototype was developed for my PhD.

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

As a team member, I was part of the design and planning stages of creating the TransLucid language. I devised the documentation structure and tailored it to different audiences. As the first user, I was the main interactive tester of the system.

Education

1999–2004	PhD, Computer Science, UNSW Australia, Sydney
1993–1995	MSc, Geomatic Sciences, Laval University, Québec, Canada
1992–1993	French as a second language, Laval University, Québec, Canada
1990	Seminar on Research, Summer Program, SUNY at Stony Brook, USA
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

2001–2002	<i>International Conference on Distributed Communities on the Web</i> , DCW 2002 Local Arrangements Chair: Webmaster; budget and conference manager.
2000–2002	<i>Women in Computing</i> , UNSW, Director and founder: Liaison between community stakeholders; conception of events.
2000–2003	<i>Girls in Science and Technology Workshops</i> (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