

## Blanca MANCILLA

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LinkedIn



*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 TTD and Ruby on Rails in a team of three (on going).
- From conception to Heroku deployment as sole developer in Ruby on Rails of a web portal 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 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 Amazon Web Services, MailChimp, databases).

- **Intermediate** in Python
- **Beginner** in JavaScript, JQuery, Django.
- **Open source** development tools, Linux, shell scripting, CLI, git,  $\text{\LaTeX}$ .
- **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 gtk.

**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 developed 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
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