

## Blanca MANCILLA

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*github handle:* bluciam



*Written, spoken:* English, French, Spanish.  
*Other:* German, B1 level, currently in Goethe Institut.

## Professional Profile

I have +10 years of experience in IT and over a year in Web development. I want to use my skills in coding, problem solving, design, writing, documentation, formalization, leadership, lectureship and inter-communication in a development team. I am always learning new things, experimenting the latest technologies or on Twitter.

## Computer skills snapshot

Web programming in Ruby on Rails, testing, CSS and Bootstrap, HTML.  
Open source development tools, Linux, scripting languages, git, github, bitbucket,  $\LaTeX$ .  
Teaching knowledge in C, C++, JSP, java, haskell, geographical information systems, human computer interaction, information systems, computer graphics.

## Current

2012–present **Consultant**, Montreal, Canada

- Web developer:
  - From design to deployment as sole developer in Ruby on Rails for a Montreal startup (on going).
  - Front-end development including own design using CSS and HTML:  
<http://vinka-creations.bitballoon.com>.
- Technical writer: rewrite developers' interviews as reports and proposals.

## 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. It was successful in its purpose.

**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, Sydney, Australia
- 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),  
Universidad Industrial de Santander (UIS), Colombia

## Past Positions

- 2004–2016     **Faculty Member**, University of New South Wales (UNSW), Australia
  - Theses supervisor, assessor, adviser; lecturer in Computer Science.
  - Researcher, team member, documentation writer, software evaluator.
  - Assignment conception, specification, deployment and marking.
- 2009–2012     **Faculty Member**, University of Technology, Sydney (UTS), Australia
  - Lecturer, curriculum redesigner and specification writer.
- 1993–1995     **Student Assistant** in Remote Sensing, Laval University, Québec, Canada
  - Group tutor, software lab instructor, marker.
- 1991–1992     **System Administrator** of IBM AS/400, Electro-Alloys, NY, USA

## Conference and Workshops Organization

- 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:  
Liaison between community stakeholders; conception of events.
- 2000–2003     *Girls in Science and Technology Workshops*, UNSW, Founder organizer:  
Workshops on HTML, lego mindstorms and iMovie; host.

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

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