

Juan Pablo Carrascal Ruiz

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Personal website/blog: www.jpcarrascal.com

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Current city: Barcelona, Spain.

SUMMARY I'm interested in user experience and interface design, specifically web applications, NIME and real-time interaction as well as ubiquitous computing, Internet of things and software-as-a-service. I look forward for well-design interfaces that go outside the lab walls and connect with people.

EDUCATION

- **Universitat Pompeu Fabra**, Barcelona, Spain.
Current: Ph.D. candidate in Information, Communication and Audiovisual Media Technologies.
2010: M.Sc. in Information, Communication and Audiovisual Media Technologies.
Thesis title: *Multitouch Interface for Audio Mixing*.
- **Universidad del Valle**, Cali, Colombia.
2003: B. Sc. in Electronic Engineering.
Graduation project: *Sound Recording System based on Real-Time Linux*.

PUBLICATIONS

2012 (In progress). Carrascal, JP., Riederer C. , Erramilli V., Cherubini, M., Oliveira, R. *Your browsing behavior for a Big Mac: Economics of Personal Information Online*. Telefónica Research. (<http://arxiv.org/abs/1112.6098>)

2012. Yoshimura, Y., Girardin, F., Carrascal, J.P., Ratti, C., and Blat, J. (2012). *New Tools for Studying Visitor Behaviours in Museums: A Case Study at the Louvre*. In Fuchs, M., Ricci, Francesco., Cantoni, L. (Eds.), *Information and Communication Technologies in Tourism 2012*. Proceedings of the International conference in Helsingborg (ENTER 2012). Mrlenback: Springer Wien NewYork. (<http://bit.ly/x4rvlo>)

2011. Carrascal, JP. and Jordà, S. *Multitouch interface for audio mixing*, in Proceedings of the International Conference on New Interfaces for Musical Expression, Oslo, Norway. (<http://bit.ly/zy97gF>)

TEACHING EXPERIENCE

- 2011: **Universitat Pompeu Fabra**, Barcelona, Spain. Course: Waves and Electromagnetism lab.
- 2005 - 2007: **Universidad Javeriana**, Cali, Colombia. Courses: Sound Workshop, Radio Workshop, Basic Pro Tools and Adobe Audition courses.

WORK EXPERIENCE

- 2011 - Current: **Research Intern**, *Telefónica Research*, Barcelona, Spain. Research, user studies, web development and design, academic writing.
- 2011 - Now: **Web developer**, freelance. Back-end and front-end development.
- 2008 - 2009: **Main Engineer**, *Producciones Tiempo de Cine*, Bogotá, Colombia. Design and maintenance of HD video editing network.
- 2008 - 2009: **Music Composer**, *Producciones Tiempo de Cine*, Bogotá, Colombia. Original music for TV and advertising.

- 2001 - 2004: **Music composer and producer**, *Radio Internacional* and *Radiohit* broadcast stations. Original music and sound production. Cali, Colombia.
- 2000 - Now: **Musician and producer**, *Fabricamusic*, (www.fabricamusic.com), an award-winning electronic rock band, Cali, Colombia. Guitarist, producer, programmer and occasional vocalist.
- 1997 - Now: **Music composer and producer, sound designer**, freelance. Original music for Cinema, TV, Radio, Web and advertising. Music producer of several independent bands. Sound consultant.
- 1997 - 2000: **UNIX server administrator**, *Universidad del Valle*. Cali, Colombia.

- PORTFOLIO
- 2011: Reveal-it: Interactive installation, aiming to reveal citizens' energy consumption and their relationship with energy-related infrastructures. <http://bit.ly/reveal-it>
 - 2011: Multitouch Interface for audio mixing. Prototype and user study aiming to challenge traditional audio mixing interface design. www.jpccarrascal.com/multitouchmixer
 - 2009: Augmented electric guitar. Enhancing an electric guitar with sensors and a microcontroller. <http://bit.ly/augmentedguitar>
 - 2009: Our notion of randomness as control input. <http://bit.ly/dicecontroller>
 - Other:
 - Misc. Interaction Design projects: blog.jpccarrascal.com/category/tech/
 - Music composition and sound design: blog.jpccarrascal.com/portfolio-music/
 - Video and Motion Graphics: blog.jpccarrascal.com/portfolio-video/
 - Photography: <http://bit.ly/jpflicker>

- TECHNICAL SKILLS
- Iterative and user-centered design for HCI.
 - Data processing, shell scripting, Matlab.
 - Hardware prototyping, microcontrollers (Arduino), sensors.
 - Web development and prototyping: PHP, Javascript, HTML, CSS, MySQL.
 - Graphics and interaction programming: Processing, Puredata, Quartz Composer, MAX/MSP, MIDI, OSC.
 - Non-linear video editing and post production: Premiere Pro, After Effects, Adobe Encore, Final Cut.
 - Image editing and design: Photoshop, Illustrator, Dreamweaver.
 - Audio and MIDI recording, editing, processing and mixing expertise. Including software (Ableton Live, Logic Pro, Cubase/Nuendo, Reason, Pro Tools) and hardware.
 - Intermediate level guitar player.

LANGUAGES

- Spanish (native)
- English (advanced)

- REFERENCES
- **Josep Blat**. Director of the Grup de Tecnologies Interactives, Universitat Pompeu Fabra (gti.upf.edu). Barcelona, Spain.
Email: josep.blat@upf.edu
Phone: +34 935 422 000
 - **Mauro Cherubini**. Researcher, Google Research. Zurich, Switzerland.
Email: martigan@google.com