

nationality Italian

## work experience

2006 – present

role **Freelance interaction designer and software developer** (iOS, web)

activities **Web sites**, mostly for the classical music industry  
**iOS applications**, mostly small- to mid-sized projects such as exhibition guides, citizen engagement, interactive books for children, and casual games

some clients **Sintetik, Kina** (see last page)

some technologies Drupal, CakePHP, Ruby on Rails, iOS SDK

## skills

programming **experienced** C, C++ (C++11, Qt), Objective C, Processing, HTML, PHP, Ruby, Pure Data  
**familiar** JavaScript, XML, SQL, x86 and ARM assembly for system programming  
**learning** R, Julia, Swift

research **user research** ethnographies, surveys, focus groups, A/B testing...  
**UX** prototyping, iterative design, behaviour design and analysis, graphical and tangible user interfaces...

organisation some experience in co-ordinating small groups

artistic **experienced drummer** (studio and live, teaching), basics of guitar, and piano  
basics of **composition and songwriting** (classical, pop, experimental)  
author of **comic strips and illustrations** (paper, pencil, Adobe Photoshop and Illustrator)  
**film and digital photographer**, experienced in digital processing, acquainted with chemical film processing and printing

## other languages

English **fluent** (speaking, reading, writing)  
Spanish **fluent** (reading, writing), **intermediate** (speaking)  
German **learning**

## education

April 2012 – Submitted 18 September 2015

degree **PhD** in Computing (Sound and Music Computing, HCI)

institution **The Open University (UK)**

thesis title Learning to use melodic similarity and contrast for narrative using a Digital Tabletop Musical Interface

supervisors Dr Robin Laney, Mr Chris Dobbyn

December 2006 – June 2010

degree **Laurea Magistrale** (MSc) in Computer Science and Engineering

institution **Università degli Studi di Padova (Italy)**

thesis title A practical approach to Music Theory on the Reactable

advisor Prof. Giovanni De Poli

October 2008 – March 2009

**Erasmus**, MSc research and development on the Reactable

institution **Universitat Pompeu Fabra**, Music Technology Group, (Spain)

supervisor Sergi Jordà

October 2002 – December 2006

degree **Laurea** (BSc) in Computer Science and Engineering  
institution **Università degli Studi di Padova (Italy)**  
thesis title Schematizzazione di uno scheduler ciclico statico per applicazioni embedded in ambiente Windows CE  
advisor Dr Michele Moro

#### courses and certifications

October 2015

course **Machine Learning**  
institution Coursera (Stanford University)  
tutor Andrew Ng

February 2011

certificate **Authorisation to practice as Information Engineer** (equivalent to Chartered Engineer)  
institution **Ordine degli Ingegneri della Provincia di Vicenza, Italy**

June 2000

certificate **Amateur Radio Operator licence**  
institution **Sezione ARI di Vicenza** (Italian Amateur Radio Association)

#### teaching experience

October 2011 – November 2011

school **Istituto di Istruzione Superiore di Lonigo**  
role **Full-time supply teacher** (A035, Electrical Engineering and Applications)

October 2002 – June 2010

role **Private tutor** (mathematics, computer science, electronics, electrical engineering) for High School and University students

# References

## selected clients and works

**Sintetik** – [www.sintetik.it](http://www.sintetik.it)

- **Da grande voglio fare l'astronauta**, interactive children book – [on.be.net/1FE26u2](http://on.be.net/1FE26u2)  
story and graphics by Fausto Montanari

- **Vinality**, catalogue and guide – [apple.co/1LjvHDM](http://apple.co/1LjvHDM)

backend development (server) and client-server communication

**Kina** – [www.kina.it](http://www.kina.it)

**Reale Corte Armonica** – [www.realecortearmonica.it](http://www.realecortearmonica.it)

**Roberto Zarpellon** – [www.robortozarpellon.it](http://www.robortozarpellon.it)

programming [www.github.com/Morpheu5](http://www.github.com/Morpheu5)

research [www.andreafranceschini.org](http://www.andreafranceschini.org)

other skills [www.morpheu5.net](http://www.morpheu5.net)

## publications

refereed papers A. Franceschini, R. Laney, C. Dobbyn (2014) Learning musical contour on a tabletop.  
In *Proceedings of the joint ICMC-SMC 2014*, Athens, Greece.

A. Franceschini (2010) Towards a practical approach to music theory on the Reactable.  
In *Proceedings of SMC 2010*, Barcelona, Spain.

posters A. Franceschini, R. Laney, C. Dobbyn (2014) Sketching Music.  
*ICMC-SMC 2014*, Athens, Greece

A. Franceschini, R. Laney, C. Dobbyn (2013) A study of contour in music using  
digital tabletop musical instruments. *DMRN+8*, London, UK.

magazine articles A. Franceschini (2011) Estendere Drupal: scrivere moduli personalizzati.  
*Linux&C*, 75. Piscopo Editore.

A. Franceschini (2011) Creare temi e pagine personalizzate per Drupal.  
*Linux&C*, 74. Piscopo Editore.

A. Franceschini (2011) Drupal: web content manager potente e flessibile.  
*Linux&C*, 73. Piscopo Editore.

A. Franceschini (2011) Inkscape: impariamo a dominare tracciati e colori.  
*Linux&C*, 67. Piscopo Editore.

A. Franceschini (2011) Inkscape: fare grafica vettoriale con Linux.  
*Linux&C*, 65. Piscopo Editore.

## talks

*Qualitative Data Analysis*. Workshop, ESSD-HCI seminar series  
March 2015, The Open University, UK

*Music lessons on a tabletop*. Invited seminar, 26 September 2014  
Experimental Music Lab, Università di Trento, Italy