



GIOVANNI CIATTO

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DESIRED OCCUPATION

Placement in a position allowing for research within the fields of *programming languages/paradigms/architectures* or *distributed systems coordination*, with a particular focus on *self-organization*.

EDUCATION

Master's degree

October, 2014 → March, 2017

Computer Science and Engineering

University of Bologna, Italy

- Studies in the field of programming paradigms, computational models, distributed systems coordination, robotics, machine learning and artificial vision, web applications, business intelligence, model-driven software engineering
- 110/110 *cum laude*

Master's degree thesis

March 16, 2017

Third generation neural networks: formalization as timed automata, validation and learning

Relator: Prof. Gianluigi Zavattaro

- Co-relators: Elisabetta De Maria, Cinzia Di Giusto (University of Nice)
- Modeling of spiking neural networks by means of the “timed automata” formalism, validation of the so-achieved model and proposal of a learning approach.
- External site: https://github.com/gciatto/snn_as_ta

Bachelor's degree

September, 2011 → October, 2014

Electronics, informatics and telecommunications engineering

University of Bologna, Italy

- Studies in the field of networking, signal processing, software engineering and programming languages.
- 110/110 *cum laude*

Bachelor's degree thesis

October 9, 2014

Impiego combinato di GPS, BLE e riconoscimento di immagini per individuare entit nella realt aumen-tata

Relator: Prof. Mirko Viroli

- Steering a user perceiving an augmented world by integrating GPS for long distances, bluetooth beacons for indoor localization, and marker recognition for closer objects.
- External site: <http://amslaurea.unibo.it/7658/>

High-school diploma

2006 → 2011

Scientific curriculum

Liceo Scientifico “C. Caminiti”, S. Teresa di Riva (ME), Italy

- 98/100

PUBLICATIONS

Article

Spiking Neural Networks as Timed Automata

(accepted on) January 2017

G. Ciatto, E. De Maria, C. Di Giusto

- Proceedings of the school “advances in Systems and Synthetic Biology - Modelling Complex Biological Systems in the Context of Genomics”

Article

(under submission)

Parameter Learning for Spiking Neural Networks modelled as Timed Automata G. Ciatto, E. De Maria, C. Di Giusto

- International conference COORDINATION 2017

LANGUAGE

	Listening	Reading	Interaction	Speaking	Writing
Italian	Native language				
English	C1	C1	C1	C1	C1
French	A1	A1	A1	A1	A1

EXPERIENCE

Internship

June, 2016 → December, 2016

I3S Laboratory

University of Nice–Sophia Antipolis, France

- Studies in the field of theoretical informatics applied to third generation neural networks

Internship

October, 2013 → February, 2014

A GUI for the Alchemist Simulator

APICe lab, University of Bologna, Cesena, Italy

- Design and implementation of a GUI for the Alchemist simulator and its integration with OpenStreetMap
- Supervisor: Prof. Mirko Viroli
- Alchemist: <http://alchemistsimulator.github.io>
- OpenStreetMap: <https://www.openstreetmap.org>

TECHNICAL STRENGTHS

Hardware configuration Programming Paradigms

Desktop & notebook PCs assembling
imperative, object oriented, functional,
logic, constraint programming

Software configuration Programming Languages

Windows and Linux installation and configuration
Java, Scala, Xtend, C# & VB.Net, Haskell, Prolog,
JavaScript, C, Python, Minizinc, COBOL

Protocols & APIs

Socket (TCP & UDP), HTTP, RESTful WebAPI

Databases

SQL, PostgreSQL, MySQL

Development tools

Git, Mercurial, Maven, Gradle, Swagger, Xtext

Markup languages

XML, HTML, Markdown, \LaTeX

IDEs

Eclipse, IntelliJ Idea, Visual Studio,
Android Studio, PyCharm

ADDITIONAL INFORMATION

About me: I am an experienced developer and designer. I can both work alone or as a team, with or without my favorite IDEs. I prefer a *model driven* approach when designing software but I can easily switch my mind to some agile approach, like SCRUM, if needed.

Interests: formal models and languages, from both the designer and user point of view; MAS & coordination within distributed systems; logic or other declarative paradigms; artificial intelligence and machine learning; learning as much languages as possible!

Giovanni Ciatto, March 30, 2017

A handwritten signature in blue ink that reads "Giovanni Ciatto". The script is cursive and fluid, with the first name and last name clearly distinguishable.