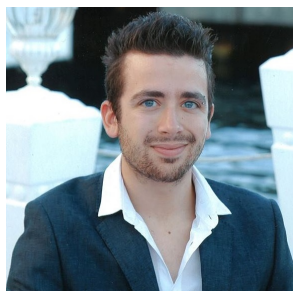


## PERSONAL INFORMATION



## Tommaso Papini

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+39 3343621205 +39 0559500024

tommy39@gmail.com

https://github.com/oddlord

Skype tommy39ita

Gender Male | Date of birth 30 September 1990 | Nationality Italian

## JOB APPLIED FOR

Game Development - Gameplay &amp; AI

## WORK EXPERIENCE

June 2017

## Secondment

Ageing Lab Foundation &amp; University of Jaén (Spain)

Department of Computer Science

REMIND project for the use of computational techniques to improve compliance to reminders within smart environments. Knowledge transfer between the Universities of Florence and Jaén in order to share experiences on techniques for Activity Recognition (especially based on fuzzy logic and stochastic models) and on the creation of AR datasets.

June 2016 – Oct 2016

## Research Fellow

University of Florence (Italy)

Faculty of Engineering, Department of Information Engineering

Model based quantitative analysis for non-Markovian systems

Oct 2013 – Nov 2014

## Technical Student Internship

CERN, Route de Meyrin 385, 1217 Meyrin (Switzerland)

Web developer for the Indico Knowledge Transfer Project, a project aimed to increased the worldwide impact of Indico. Indico is a web-application for event organization

## EDUCATION AND TRAINING

Nov 2016 – Dec 2017

## PhD in Smart Computing

ISCED 8

Universities of Florence, Pisa and Siena (Italy)

Faculty of Engineering, Department of Information Engineering

Thesis Model-based quantitative analysis for on-line diagnosis, prediction, scheduling and compliance evaluation in partially observable systems

Dec 2012 – Apr 2016

## Master in Computer Science

ISCED 7

University of Florence (Italy)

Faculty of Maths, Physics and Natural Sciences

Projects – *Rankboost*: C++ implementation of the learning-to-rank algorithm Rankboost. Included in the Quickrank tool developed at HPC Lab, ISTI, CNR  
– *MRP steady-state*: Java implementation of an algorithm for steady-state probabilities computation for Markov Regenerative Processes. Included in the Oris tool developed at STLab, University of Florence

Thesis The Indico KT Project: Improving the worldwide impact of Indico

Final rank 110/110 cum laude

- Sept 2010 – July 2011 **Bachelor in Computer Engineering (Erasmus)** ISCED 6  
Polytechnic University of Madrid (Spain)  
Faculty of Computer Science
- Oct 2009 – Dec 2012 **Bachelor in Computer Science** ISCED 6  
University of Florence (Italy)  
Faculty of Maths, Physics and Natural Sciences  
Projects – *Cerithidea Decollata*: neural network to simulate intertidal snails predicting the incoming tide  
Thesis Algorithm Visualization in HTML5  
Final rank 110/110 cum laude
- Sept 2004 – July 2009 **Scientific High School** ISCED 3  
State Institute of Higher Education *Giorgio Vasari*, Figline e Incisa Valdarno (Italy)  
National Plan of Computer Studies (PNI)  
Final rank 76/100

## PERSONAL SKILLS

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	C1	C1
Spanish	B2	C1	B2	C1	C1
French	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user – B1/B2: Independent user – C1/C2: Proficient user  
[Common European Framework of Reference \(CEF\) level](#)

**Communication skills** I have worked both in research teams and development teams. I enjoy working in teams and I consider myself a fast learner.

**Organisational / managerial skills** During the first year of my PhD and my research activity I supervised several students both for exam projects and thesis research

**Computer skills**

- programming languages: Java, C, C++, C#, Python, Javascript, Matlab, SQL, shell scripting, MIPS assembler, declarative programming,  $\lambda$ -calculus
- markup languages: HTML5, XML, CSS
- modeling languages: Petri Nets, UML, IDEF0
- tools & software: Unity, Jinja2, Git, Github, QEMU, VirtualBox, SASS, Eclipse, Windows, Linux, dotfiles, Python Fabric, Jekyll, LaTeX

**Other skills** Playing the guitar and listening to music. Training (mainly as a boxer) and doing sports in general. Reading books and watching movies of different kinds, especially sci-fi. Passion for science. Playing every kind of videogame. Love to travel and experience different cultures.

**Driving licence** A, B (car and motorbike owner)

## ADDITIONAL INFORMATION

## References

- Pedro Ferreira, CERN, Geneva (Switzerland)
- Alejandro Avilés, Bity, Neuchâtel (Switzerland)
- Prof. Pierluigi Crescenzi, University of Florence (Italy)
- Prof. Gregorio Landi, University of Florence (Italy)
- Prof. Enrico Vicario, University of Florence (Italy)

## Other projects

- *Blindstore*: private information retrieval data store. Best Technology winning project at CERN Summer Student Webfest 2014 & participant of The Port Hackathon 2014 @CERN

## Publications

- Stefano Martina, Marco Paolieri, Tommaso Papini, and Enrico Vicario. Performance evaluation of fischer's protocol through steady-state analysis of markov regenerative processes. In *Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MAS-COTS), 2016 IEEE 24th International Symposium on*, pages 355–360. IEEE, 2016
- Marco Biagi, Laura Carnevali, Marco Paolieri, Tommaso Papini, and Enrico Vicario. Exploiting non-deterministic analysis in the integration of transient solution techniques for markov regenerative processes. In *International Conference on Quantitative Evaluation of Systems*, pages 20–35. Springer, 2017
- Marco Biagi, Laura Carnevali, Tommaso Papini, Kumiko Tadano, and Enrico Vicario. An inspection-based compositional approach to the quantitative evaluation of assembly lines. In *European Workshop on Performance Engineering*, pages 152–166. Springer, 2017