

PERSONAL INFORMATION



Marco Procaccini

 via dei pispini, 100, 53100 SIENA (SI)
 via roma 56, presidio San Niccolo', 53100 SIENA (SI)
 3286979364
 3286979364
 marco.procaccini@me.com

Gender Male | Date of birth Sep 14 1985 | Nationality Italy

Software Analyst

PREFERRED JOB
WORK EXPERIENCE

Apr 2020 - Apr 2021

Post Doc Researcher

Development of a high-performance computing platform for distributed embedded systems based on reconfigurable and heterogeneous architectures and dataflow execution models
 Università degli Studi di Siena , via roma 56 - SIENA (SI) Italy
Business or sector education, training, research and development

EDUCATION AND TRAINING

2016 - 2020

High Performance Computer Architecture

EQF level 8

Università degli Studi di SIENA - Ingegneria dell'Informazione
 Doctor of Philosophy (Ph.D.)

Principal subjects/occupational skills covered:

Data-Flow Computing, Parallel and Distributed Computing, Embedded programming, Simulation Framework evaluation, Linux Operating System programming.

2012 - 2016

INFORMATICA

EQF level 7

Università degli Studi di SALERNO - Department of Computer Science
 2nd level-cycle degree/Master of Science (2 years)

Principal subjects/occupational skills covered:

big data , machine learning , wireless networks , distributed systems , concurrent and parallel programming , interactive video games and virtual environments , compilers , web scraping , ad hoc networks and sensor networks, serious game.

2006 - 2012

INFORMATICA

EQF level 6

Università degli Studi di SALERNO - Faculty of Mathematical, Physical and Natural Sciences
 1st level-cycle degree/Bachelor (3 years)

Principal subjects/occupational skills covered:

computer architecture, procedural languages, object oriented languages, computer network, web languages, web services, distributed programming, database, software engineering

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING	
	Listening	Reading	Spoken interaction	Spoken production		
English	B2 Independent	B2 Independent	B2 Independent	B2 Independent	B2 Independent	B2 Independent

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
 Common European Framework of Reference for Languages

Linguistic experience(s)

European Union program

ERASMUS

Duration of studies in months: 6

Foreign country where the academic studies were carried out: SVEZIA (Sweden)

European Union program

Erasmus in Skovde (Sweden)

Language: English

Duration of studies in months: 6
Foreign country where the academic studies were carried out: Skovde (Sweden)

Communication skills I have worked in a multicultural team during the Erasmus period, allowing me to learn several work techniques: weekly meetings, seminars about the project progressing, software development collaboration, test, analysis, and presentation of the results.
During my Ph.D. studies, I have been involved in the European project AXIOM giving me the possibility to work in a multicultural team and reinforced my team-working and speaking skills

Organisational / managerial skills During my PhD, I actively participated in the European project AXIOM, acquiring skills in terms of drafting and reviewing technical documentation, team-working, organization and presentation of work results during meetings and international conferences.
In addition, I gained knowledge about the role of reviewer of scientific articles during the reasearch period.

Digital competences

SELF-ASSESSMENT				
INFORMATION PROCESSING	COMMUNICATION	CONTENT CREATION	SAFETY	PROBLEM SOLVING
Proficient user	Proficient user	Proficient user	Independent user	Proficient user

Digital competences - Self-assessment grid

Basic digital competence: Operating systems (Good), Programming languages (Excellent), Word processing (Excellent), Electronic spreadsheet (Good), Data base administrators (Good), Internet skills (Excellent), Data transmission networks (Excellent), Web-site creation (Good), Multimedia (Excellent),
Programming languages known: (Java, C, C++, SQL, Bash Script, Javascript, XML, PHP, JSP, Python,AJAX, HTML, CSS, MATLAB,C#)
Software applications: (HP-Lab COTSon, QEMU, Yocto, Vivado HLS, Photoshop)

Other skills During my University studies, I have always worked as well as studied. For three years, I have been a lifeguard for a swimming pool. Subsequently, the passion for photography has become a job, leading me to manage photographic services for weddings, events and, mainly, the production and management of photos and videos for more than ten dance schools.

Driving licence B

PUBLICATIONS

Abstract/reply/comments "An Extended Tracing System for the COTSon Simulator" ; M. Procaccini, R. Giorgi ; HiPEAC ACACES-2020 (2020)
www3.diism.unisi.it/~giorgi/papers/Procaccini20-acaces.pdf

Journal articles ""The AXIOM Project: IoT on Heterogeneous Embedded Platforms"" ; A. Filgueras, M. Vidal, M. Mateu, D. Jimnez-Gonzalez, C. Alvarez, X. Martorell, E. Ayguade, D. Theodoropoulos, D. Pnevmatikatos, P. Gai, S. Garzarella, D. Oro, J. Hernando, N. Bettin, A. Pomella, M. Procaccini, R. Giorgi ; IEEE Design and Test (2019)
ieeexplore.ieee.org/abstract/document/8894849/

"Translating Timing into an Architecture: The Synergy of COTSon and HLS (Domain Expertise: Designing a Computer Architecture via HLS)" ; R.Giorgi, F.Khalili, M. Procaccini ; Int.I Journal of Reconfigurable Computing (2019)
www.hindawi.com/journals/IJRC/2019/2624938/

Conference proceedings "Bridging a Data-Flow Execution Model to a Simple Programming Model" ; R. Giorgi, M. Procaccini ; IEEE Proc. of the Int.I Conf. on High Performance Computing and Simulation (2019)
ieeexplore.ieee.org/abstract/document/9188183/

Abstract/reply/comments "x86_64 vs Aarch64 Performance Validation with COTSon" ; M. Procaccini, R. Giorgi ; HiPEAC ACACES-2019 (2019)
www3.diism.unisi.it/~giorgi/papers/Procaccini19-acaces.pdf

Conference proceedings "AXIOM: A Scalable, Efficient and Reconfigurable Embedded Platform" ; R. Giorgi, M. Procaccini, and F. Khalili ; Design, Automation & Test in Europe Conference & Exhibition (2019)
ieeexplore.ieee.org/abstract/document/8715168/

"Analyzing the Impact of Operating System Activity of different Linux Distributions in a Distributed

Environment" ; R. Giorgi, M. Procaccini, and F. Khalili ; 27th Euromicro Int.I Conf. on Parallel, Distributed and Network-Based Processing (2019)

ieeexplore.ieee.org/abstract/document/8671562/

"A Design Space Exploration Tool Set for Future Tera-scale High-Performance Computers" ; R. Giorgi, F. Khalili, and M. Procaccini ; Proceedings of the Rapid Simulation and Performance Evaluation: Methods and Tool (2019)

dl.acm.org/doi/abs/10.1145/3300189.3300195

"Energy Efficiency Exploration on the ZYNQ Ultrascale+" ; R. Giorgi, F. Khalili, and M. Procaccini ; 30th International Conference on Microelectronics (2018)

ieeexplore.ieee.org/abstract/document/8704092/

Abstract/reply/comments

"Reconfigurable Logic Interface Architecture for CPU-FPGA Accelerators" ; F. Khalili, M. Procaccini, and R. Giorgi ; HiPEAC ACACES-2018 (2018)

www3.diism.unisi.it/~giorgi/papers/Khalili18-acaces.pdf

"An FPGA-based Scalable Hardware Scheduler for Data-Flow Models" ; Procaccini, M., F. Khalili, and Giorgi, R. ; HiPEAC ACACES-2018 (2018)

www3.diism.unisi.it/~giorgi/papers/Procaccini18-acaces.pdf

"Simulation infrastructure for the next kilo x86-64 Chips" ; M. Procaccini, R. Giorgi ; HiPEAC ACACES-2017 (2017)

www3.diism.unisi.it/~giorgi/papers/Procaccini17-acaces.pdf

ADDITIONAL INFORMATION

Besides the passion for computer, I have passion for photography and swim, which they gave me the opportunity to have jobs during my University studies. I consider myself a serious and reliable person, who does everything possible to complete the work respecting deadline and requirements. My employers have never had any problem about my behavior at work, on my professionalism and my dedication.

Siena Li', 27/04/2021

Firma