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Pagliuca Paolo

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Mobile: +

Italian

7th October 1984

Male

From 2nd May 2014

Graduate fellow at CNR (National Research Council) – ISTC (Institute of Cognitive Sciences and Technologies)

Graduate fellow

Name of research project: "Cultural evolution in populations of autonomous robots that develop their capabilities through imitation and associative forms of learning". Main Technologies: C++, FARSA, Python, Artificial Intelligence, Genetic Algorithms, Artificial Neural Networks

Paolo Pagliuca and Stefano Nolfi. "Robust Optimization through Neuroevolution".
<https://arxiv.org/abs/1810.01125>
 Paolo Pagliuca, Nicola Milano and Stefano Nolfi. "Maximizing Adaptive Power in
 Neuroevolution". PLoS One. Vol. 13(7), 2018.
 Nicola Milano, Paolo Pagliuca and Stefano Nolfi. "Robustness, Evolvability and
 Phenotypic Complexity: Insights from Digital Circuits".
<https://arxiv.org/abs/1712.04254>.
 Paolo Pagliuca and Stefano Nolfi. "Integrating Learning By Experience and
 Demonstration in Autonomous Robots". Adaptive Behavior. Vol. 23 (5). 2015.

CNR (National Research Council) - ISTC (Institute of Cognitive Sciences and Technologies) - Via San Martino Della Battaglia, 44
00185 Roma

Research

Graduate Fellowship

From 2nd November 2010 to 30th April 2014

Analyst programmer

Verification and Validation Team Responsible, Documentation Responsible, SW Developer, Medical Aid Responsible, Fire Prevention Responsible

ROMA, 21/02/2019

Main projects and technologies | - Development of a web application for the management of newsfeeds, posts and comments sent from different social networks (Java, Javascript, JSP, Servlets, HTML, PostgreSQL, JBoss)
- Development of a SCADA interface for Metro C management system (PLC, Ladder Diagram, RSView, RSLogix, RSLinx)
- Development of a Plug-in for a train management system (C programming language)
- Development of SW for embedded systems, in particular for train management systems (C programming language)
- Module test and Hardware/Software Integration test activity (VectorCAST test tool)
- Static Analysis (PC Lint, MISRA C-2004 standard)
- Responsible for the realization of SW life-cycle documentation: SW requirements specification, SW architecture specification, SW module design specification, SW requirements test specification, SW module test specification, SW/HW-SW integration test plan, SW/HW-SW integration test specification, SW module test report (MS Word, MS Visio, UML)

Employer's name and address | Neat Srl – Via Edoardo D'Onofrio, 304
00155 Roma

Activity sector | IT Professional Services

Dates | From 14th April 2010 to 31st October 2010

Position | Analyst programmer

Main activities and responsibilities | Verification and Validation Team Responsible, Documentation Responsible, SW Developer

Main projects and technologies | - Development of SW for embedded systems, in particular for train management systems (C programming language)
- Module test activity (VectorCAST test tool)
- Responsible for the realization of SW life-cycle documentation: SW requirements specification, SW architecture specification, SW module design specification, SW module test specification, SW/HW-SW integration test specification, SW module test report (MS Word, MS Visio, UML)

Employer's name and address | Nergal Srl – Via Battista Bardanzellu, 8
00155 Roma

Activity sector | IT Professional Services

Education and training |

Dates | 30th May 2015

Title of qualification awarded | IELTS, Academic Level

Name and type of organisation | British Council
providing education and training | Via di San Sebastianello, 16
00187 Roma
Tel: +39 06478141

Dates | From 1st October 2014

Title of qualification | MPhil/PhD student in Computing (Rome Node), Faculty of Science and Environment

Name and type of organisation | Plymouth University – Drake Circus, Plymouth
providing education and training | Devon PL4 8AA, United Kingdom
Tel: +44 1752 600600

Dates | 29th September 2010

Position | Registered at "Ordine degli Ingegneri della Provincia di Roma"

ROMA, 21/02/2019

Dates 5th February 2010
 Title of qualification awarded State licence as an Information Engineer
 Name and type of organisation providing education and training State University "Roma Tre" – Faculty of Computer Engineering
 Via della Vasca Navale, 79
 Tel: +39 0655177040
 Fax: +39 065561373/258

Dates 26th December 2006 – 27th May 2009
 Title of qualification awarded Laurea Specialistica (2-year Master) in Management and Automation Engineering
 Grade 110/110 summa cum laude
 Thesis title: "Robot swarms' navigation based on elementary behaviours"
 Principal subjects/occupational skills covered Robotics, Swarm robotics, Automation, Control Systems, Management Systems, Optimization Algorithms
 Name and type of organisation providing education and training State University "Roma Tre" – Faculty of Computer Engineering
 Via della Vasca Navale, 79
 Tel: +39 0655177040
 Fax: +39 065561373/258

Dates 1st October 2003 – 22nd December 2006
 Title of qualification awarded Laurea Triennale (3-year Bachelor) in Computer Engineering
 Thesis title: "Study of interdependent technologic infrastructures through Interoperability Input-Output Model"
 Principal subjects/occupational skills covered Java, C, Industrial Automation, Project Management
 Name and type of organisation providing education and training State University "Roma Tre" – Faculty of Computer Engineering
 Via della Vasca Navale, 79
 Tel: +39 0655177040
 Fax: +39 065561373/258

Dates April 2003
 Title of qualification awarded DELF, Niveau A1 – A2 - A3 - A4
 Name and type of organisation providing education and training Centre Culturel Saint-Louis de France,
 Largo Giuseppe Toniolo, 20-22
 00186 Roma
 Tel: +39 066802626

Dates 15th September 1998 – 3rd July 2003
 Title of qualification awarded Diploma di Maturità Scientifica
 Name and type of organisation providing education and training High School "Liceo Scientifico Statale Giovanni Keplero", Rome
 Via Silvestro Gherardi, 87
 Tel: +39 065585352
 Fax: +39 0655369917

Self-assessment
 European level (*)

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Upper	Upper	Upper	Upper	Upper
C1: intermediate user	C1: intermediate user	C1 intermediate user	C1 intermediate user	C1 intermediate user

ROMA, 21/02/2019

French	Upper C1 intermediate user	Upper C1 intermediate user	Upper C1 intermediate user	Upper C1 intermediate user	Upper C1 intermediate user
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(*) Common European Framework of Reference for Languages

Social skills and competences	<ul style="list-style-type: none"> - Ability to work efficiently and co-operatively in a team environment; - Good problem-solving ability; - Flexibility and versatility.
Technical skills and competences	<ul style="list-style-type: none"> - Excellent knowledge of the main techniques for enabling autonomous robots learning (i.e., Reinforcement Learning, Learning by Demonstration); - Excellent knowledge of Evolutionary Strategies; - Excellent knowledge of Genetic Algorithms and Artificial Neural Networks; - Competency in designing and implementing algorithms for manifold tasks concerning both robotics and other fields; - Ability in planning and implementing automation controls, with particular reference to multi-robot systems; - Competency in control planning and programming of both mobile robots and manipulators; - Good knowledge of instruments and sensors for industrial automation systems and robotics; - Knowledge of techniques of industrial optimisation, operational research and techniques of project management and support to management decision; - Knowledge of the main programming languages (Java, C, C++, Matlab); - Competency in SW design and development, especially for embedded systems; - Competency in SW life-cycle documentation; - Knowledge of SW life-cycle: requirements analysis, design, implementation, test activity, maintenance, release; - Competency in SW testing activity.
Computer skills and competences	<ul style="list-style-type: none"> - Excellent knowledge of Microsoft Office applications (Word, Excel, PowerPoint); - Excellent knowledge of Internet; - Excellent knowledge of C++; - Excellent knowledge of C; - Excellent knowledge of Python; - Excellent knowledge of Matlab; - Excellent knowledge of O.S. Windows and Linux; - Good knowledge of Java; - Good knowledge of VectorCAST/C++ and VectorCAST/Cover; - Good knowledge of Simulink; - Good knowledge of Database and SQL; - Good knowledge of HTML and CSS; - Good knowledge of MS Access; - Good knowledge of MS Visio.
Other skills and competences	Reading (in particular detective stories and science fiction), travelling, listening to music (in particular rock, jazz, heavy-metal). I play drums. I play amateur football (in particular five-a-side) and tennis and I am keen on puzzles.

Driving licence | B licence (Italy)