

# Stefano Demarchi

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CONTACT INFORMATION	DIBRIS - Viale Causa, 13 16145 Genova, IT	(+39) 01033 - 52150 stefano.demarchi@edu.unige.it github.com/sdemarch												
EMPLOYMENT AND EXPERIENCE	<b>Università degli Studi di Genova</b> PhD student2019 - Present Study and development of AI techniques for the formal verification of Neural Networks, part of the <b>NeVerTools</b> development team.  <b>Università degli Studi di Sassari   Athena Sardegna</b> Research Engineer2018 - 2019 Development of a backend framework for a commercial platform ( <b>PILOW</b> ), research and design of optimization algorithms for logistics.  <b>AI-Lift</b> R&D collaborator2017 - 2019 Part of the development team of <b>LiftCreate</b> , a tool for the design of elevator systems enabled by AI techniques.													
EDUCATION	<b>Università degli Studi di Genova, Genova, IT</b> M.Sc. in Computer Engineering, October 2018 <i>Product Configuration for Complex Systems: a case study in Computer-automated Design of Elevators</i> 108/110 B.Sc. in Electronic Engineering, March 2016 <i>Realization of a parallel computing infrastructure based on Google Cloud Platform</i> 88/110  <b>Université de Technologie de Compiègne, Compiègne, FR</b> European Master in Complex Systems in Interaction, September 2018 Double-degree program in collaboration with Università degli Studi di Genova  <b>Conservatorio di Musica Niccolò Paganini, Genova, IT</b> Percussion Instruments student since 2018													
LANGUAGES	<table><tr><td><b>Italian:</b></td><td>Mothertongue</td><td></td><td></td></tr><tr><td><b>English:</b></td><td>Fluent</td><td>B1 (certificate)</td><td>C1 estimated</td></tr><tr><td><b>French:</b></td><td>Fluent</td><td>B1 (certificate)</td><td>C1 estimated</td></tr></table>		<b>Italian:</b>	Mothertongue			<b>English:</b>	Fluent	B1 (certificate)	C1 estimated	<b>French:</b>	Fluent	B1 (certificate)	C1 estimated
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PROGRAMMING AND SOFTWARE	<b>Programming:</b> Python, Java, C++, C, MATLAB, PHP <b>Frameworks:</b> SPRING Java, VAADIN <b>Markup:</b> L <sup>A</sup> T <sub>E</sub> X, HTML5, CSS <b>Environments:</b> Microsoft Windows, Microsoft Office Suite, Microsoft Visual Studio, IntelliJ IDEA, PyCharm, mySQL, GitHub													
PUBLICATIONS	S. Demarchi, M. Menapace and A. Tacchella, <i>Automating Elevator Design with Satisfiability Modulo Theories</i> , in IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2019, Portland, Oregon, November 4-6, 2019, Proceedings, 2019.													

S. Demarchi, *Automated Design of Complex Systems with Constraint Programming Techniques*, in Cyber-Physical Systems Summer School Workshop, CPSWS 2019, Alghero, Italy, September 23, 2019, Proceedings, 2019.