Stefano Demarchi

CONTACT INFORMATION	DIBRIS - Viale Causa, 13
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EMPLOYMENT AND EXPERIENCE

Università degli Studi di Genova
PhD student   2019 - Present
Study and development of AI techniques for the formal verification
of Neural Networks, part of the **NeVerTools** development team.

Università degli Studi di Sassari | Athena Sardegna
Research Engineer   2018 - 2019
Development of a backend framework for a commercial platform
(**PILOW**), research and design of optimization algorithms
for logistics.

AI-Lift
R&D collaborator   2017 - 2019
Part of the development team of **LiftCreate**, a tool for the design
of elevator systems enabled by AI techniques.

EDUCATION

Università degli Studi di Genova, Genova, IT
    M.Sc. in Computer Engineering, October 2018
    Product Configuration for Complex Systems: a case study in Computer-automated
    Design of Elevators
    108/110
    B.Sc. in Electronic Engineering, March 2016
    Realization of a parallel computing infrastructure based on Google Cloud Platform
    88/110

Universitè de Technologie de Compiègne, Compiègne, FR
    European Master in Complex Systems in Interaction, September 2018
    Double-degree program in collaboration with Università degli Studi di Genova

Conservatorio di Musica Niccolò Paganini, Genova, IT
    Percussion Instruments student since 2018

LANGUAGES

Italian:	Mothertongue		
English:	Fluent	B1 (certificate)	C1 estimated
French:	Fluent	B1 (certificate)	C1 estimated

PROGRAMMING AND SOFTWARE

Programming: Python, Java, C++, C, MATLAB, PHP
Frameworks: SPRING Java, VAADIN
Markup: LaTeX, HTML5, CSS
Environments: Microsoft Windows, Microsoft Office Suite, Microsoft Visual Studio,
IntelliJ IDEA, PyCharm, mySQL, GitHub

PUBLICATIONS   S. Demarchi, M. Menapace and A. Tacchella, *Automated Design of Elevator Systems: Experimenting with Constraint-Based Approaches*, in International Conference of the Italian Association for Artificial Intelligence, AIxIA 2021, Milano, Italy, December 1st-3rd, 2021, Proceedings, 2021.

S. Demarchi, M. Menapace and A. Tacchella, *Automating Elevator Design with Satisfiability Modulo Theories*, 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.