Stefano Demarchi

Contact Information	DIBRIS - Viale Causa, 13 16145 Genova, IT	(+39) 01033 - 52150 `stefano.demarchi@edu.unige.it`

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 team developing
NeVer 2.

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
Master Degree in Computer Engineering, October 2018
Product Configuration for Complex Systems: a case study in Computer-automated Design of Elevators
108/110
Bachelor Degree in Electronic Engineering, March 2016
Realization of a parallel computing infrastructure based on Google Cloud Platform
98/110

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

Programming & Software

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

Publications

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.