

# MATTEO CARDELLINI

P.sso Spartaco Ferradini 19/9 Dx ◊ 16137 ◊ Genova ◊ Italy  
(+39) 347 27 85 855 ◊ me@matteocardellini.it

## EDUCATION

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### Università' degli Studi di Genova

September 2019 - July 2021

Master's Degree on Computer Engineering  
Curriculum in Artificial Intelligence and Human-Centered Computing  
Final Grade: 110/110 cum Laude and "Dignita' di Stampa"

### Università' degli Studi di Genova

September 2016 - September 2019

Bachelor's degree on Computer Engineering  
Final Grade: 110/110

## PUBLICATIONS

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- **In-Station Train Dispatching: A PDDL+ Planning Approach.** M. Cardellini, M. Maratea, M. Vallati, G. Boletto, and L. Oneto. In Proceedings of ICAPS 2021. AAAI Press, 2021
- **An Efficient Hybrid Planning Framework for In-Station Train Dispatching.** M. Cardellini, M. Maratea, M. Vallati, G. Boletto, and L. Oneto. In Proceedings of ICCS 2021. Springer, 2021
- **A Planning-based Approach for In-Station Train Dispatching.** M. Cardellini, M. Maratea, M. Vallati, G. Boletto, and L. Oneto. In Proceedings of SoCS 2021. AAAI Press, 2021
- **In-Station Train Movements Prediction: from Shallow to Deep Multi Scale Models.** G. Boletto, L. Oneto, M. Cardellini, M. Maratea, M. Vallati, R. Canepa, D. Anguita. In Proceedings of ESANN 2021. i6doc, 2021
- **A Two-Phase ASP Encoding for Solving Rehabilitation Scheduling.** M. Cardellini, P. De Nardi, C. Dodaro, G. Galat, A. Giardini, M. Maratea and I. Porro. In Proceedings of RuleML+RR 2021. Springer, 2021
- **Answer Set Programming in Healthcare: Extended Overview.** M. Alviano, R. Bertolucci, M. Cardellini, C. Dodaro, G. Galata, M. Kamran Khan, M. Maratea, M. Mochi, V. Morozan, I. Porro, and M. Schouten. In Proceedings of IPS-RCRA@AI\*IA 2020. CEUR, 2020

## PROJECTS

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- Master's Degree Thesis: "**Artificial Intelligence Techniques for Solving the In-Station Train Dispatching Problem**" Supervisors: Prof. M. Maratea, Dr. M. Vallati (University of Huddersfield)
- Research scholarship *Post-Laurea* on "**Induction and Deduction for Train Dispatching in Small/Medium Stations.**" at DIBRIS - Università' degli Studi di Genova (D.R. n. 1346)
- Bachelor's Degree Thesis: "**Visual and Data Analytics for the Analysis of Train Flows in the Railway Network.**" Supervisors: Prof. M. Maratea, Prof. L. Oneto

## WORK EXPERIENCE

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### SurgiQ SRL

April 2021 - Current

*Researcher*

*Genoa - IT*

- Built and optimised scheduling systems based on state-of-the-art artificial intelligence's technologies for the scheduling of physiotherapeutic sessions for the rehabilitation of patients in hospitals.

### Secondhand Mobile SRL

February 2018 - April 2021

*CTO e Co-founder*

*Genoa - IT*

- Built a cloud based management system accessed daily by more than 140 customers all-over Italy.
- Built and published an iOS/Android App with 65k active downloads.

- Helped the company to grow to 14 employees and a yearly revenue of 5 million euros.
- Managed 4 software engineers using an Agile methodology continuously delivering improvements to the corporate code-base.