

# Lorenzo BALZOTTI

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Rome, Italy | April 25, 1993  
PHONE: +39 347 986 2490  
EMAIL: [lorenzo.balzotti@sbai.uniroma1.it](mailto:lorenzo.balzotti@sbai.uniroma1.it)

## EDUCATION

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NOV 2019- CURRENT PhD in MATHEMATICAL MODEL FOR ENGINEERING  
*Sapienza University of Rome*  
Department of Basic and Applied Sciences for Engineering (SBAI)

OCT 2019 Master's Degree in APPLIED COMPOSITION  
110 cum laude, *Santa Cecilia Conservatory of Rome*  
Title of the thesis: "How to Train Your Dragon (Partial Rescore)"

JAN 2019 Master's Degree in APPLIED MATHEMATICS  
110 cum laude, *Sapienza University of Rome*  
Title of the thesis: "Un nuovo algoritmo per il riconoscimento dei grafi Vertex Path Tree"

MAR 2018 Bachelor's Degree in COMPOSITION  
110 cum laude, *Santa Cecilia Conservatory of Rome*  
Title of the thesis: "Tre fiabe di Hans Christian Andersen"

OCT 2015 Bachelor's Degree in MATHEMATICS  
110 cum laude, *Sapienza University of Rome*  
Title of the thesis: "Tempo di mescolamento in catene di Markov"

## LANGUAGES

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ITALIAN: Mothertongue  
ENGLISH: Good knowledge

## COMPUTER SKILLS

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GOOD KNOWLEDGE: C, C++, Matlab, R,  $\text{\LaTeX}$ , MacOS, Windows, LINUX, Excel, Word

## PUBLICATIONS

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N. Apollonio, L. Balzotti "[A New Characterization of Path Graphs](#)" (2019)  
arXiv preprint: arXiv:1911.09069

## RESEARCH INTERESTS

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Graph Theory, Combinatorics, Algorithms