

# Alberto Artoni

## Personal Data

Place and Date of Birth	Parma   13 November 1995
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## Education

Sept. 2017 - April 2020	MSc Mathematical Engineering at Politecnico di Milano Computational Science and Engineering	Grade	105/110
Sept. 2014 - Sept. 2017	Bachelor in Mathematical Engineering	Grade:	93/110
Reading Course	Teorema di Kutta - Joukowski	Score:	4.75/5

## Programming Skills

Basic knowledge	R, Spark, Python, Phoenix, Gmsh
Good knowledge	C++, MPI, Linux, Matlab, Paraview, Mathematica, Latex, Fortran

## Languages

English	Fluent: attending C1 level courses at Politecnico; TOEIC (Score 920/990)
Cultural exchange	7 weeks in Cambridge from 2009-2012
Italian	Mother tongue

## Master Projects

Oct. 2019	<b>MSc Thesis</b>	DG FEM for the Poisson equation on polyhedral meshes Design of a Matlab and Fortran library to solve the Poisson equation on polyhedral meshes
Aug. 2019	<b>PDE-KMC</b>	Coupling KMC with Poisson equation and stationary thermal equation Project was evaluated with laude; use of C++, xcrysden, Paraview
Apr. 2019	<b>Ising Project</b>	Implementation of an Ising model on fully uncorrelated networks Project scored 6/7; uses Mathematica
Jan. 2019	<b>FSSI Project</b>	DG FEM project applied to cardiac valve dynamics Project was evaluated with laude; use of C++, Matlab, Paraview

## Additional Collaborations

May 2019	<b>Lecturer</b>	<i>An introduction to Latex: from basics to Thesis</i>
Nov. 2018	<b>Data analysis</b>	Data analysis for Dr. Messori Exploratory data analysis for his specialistic thesis
May 2018	<b>PEOPLE@DEIB</b>	<i>Machine Learning for geophysical data interpretation</i>
May 2012	<b>La tua Idea di Impresa</b>	First prize in a Confindustria project. <i>Task was to make a spot for Mercatone Uno</i>

## About Me

I lived in a college since 2014 till nowadays. I played in the college football team as goalkeeper. I think that the role suites my personality: I like to think to myself as the one that the team can rely in any moment.

I am an AVIS member. I am a SIAM Student's Chapter member.

I am leading a group of educators that teaches catholic religion through songs: currently our [white voice choir](#) is composed by 60 children from 7 to 11 years old. I learned to make children listen and understand and to talk with parents.

Volunteering is a crucial part of my life: it keeps me in touch with the evryday needs of the persons.

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