

Arian Maghsoudnia

Master of Energy Engineering,
Bachelor of Mechanical Engineering

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 [Arian Maghsoudnia](#)

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 Piacenza, Italy

 [arianmaghsoudnia.github.io](https://github.com/arianmaghsoudnia)

Date of birth 28/07/1995

Work Experience

July 2020 – Present

Position: Backend Developer

Supervisor: Luca Vajani, Andrea Minotti

Location: AriesTech-Cathedra Srl, Seregno, Italy

January 2018 – July 2018

Position: Researcher

Supervisor: Dr. Reza Nadafi

Location: Entrepreneurship and Innovation Center,
Amirkabir University of Technology

December 2017 – August 2018

Position: English Teacher at Iranmehr Language Institute

Supervisor: Farshid Lavasani

August 2017 – January 2018

Position: Researcher

Location: Mechanical Energy Conversion and
Thermodynamics labs, Tehran Polytechnic. Supervisor:
Dr. Saman Paria

January 2015 – January 2016

Position: Executive of the Industrial Connection
Committee, Executive of the Informatics Committee,
Location: Scientific Association of Mechanical
Engineering Department, Tehran Polytechnic.

Jan 2015 – May 2015

Position: Conductor of Solid Mechanics Seminars, ISME
2015

Location: Tehran Polytechnic University

Jun 2015 – October 2015

Position: Intern

Location: Saipa Automotive Manufacturing Group

Teaching Experience

January 2015 – June 2016

Position: Teaching assistant, CFD modeling using
programming tools (C++, C)

Location: Mechanical Engineering Department, Tehran
Polytechnic



Education

M.Sc. Energy Engineering, Renewables and
Environmental Sustainability 09/18 – ongoing
Politecnico di Milano

B.Sc. Mechanical Engineering

Tehran Polytechnic 09/13 – 09/17

Honors & Awards

- Politecnico Di Milano, Gold (Merit) Full Scholarship
- Ranked First among Scientific Associations, AUT
- Ranked Third for "Ofog" Scientific Magazine, Iranian National Movement Festival
- Ranked Top 1% in the National Entrance Examination for Iranian universities
- Ranked First among all projects, 27th NODET Exhibition

Skills

- Programming Skill
- Python, R, MATLAB®, MVC Design Pattern, ASP.NET, C#, C++, EES®, FreeFem ++, Ampl, Wolfram Mathematica, Plain JavaScript, HTML
- Application
- Microsoft Office® Package, Linux Basics
- Machine Learning
- Scikit-learn, TensorFlow, Numpy, Pandas, Random Forrest and Cross-Validation and Online Learning Methods, data-cleaning, and feature-selection.
- Mechanical Engineering
- ANSYS® Fluent, ANSYS® Mechanical, Solid Works®, Auto CAD®, Aspen Plus

Selected Courses

- Energy and Environmental Technologies for Building Systems
- Renewable Energy and Low-Carbon Technologies
- Bioenergy and Waste-To-Energy Technologies
- Industrial Ecology
- Fluid Machines for Low-Carbon Technologies
- Advanced Mathematical Methods
- Renewable Energy and Low-Carbon Technologies
- Smart Grids and Regulation for Renewable Energy
- Electrical Conversion of Renewable Energy Sources

Languages

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| English | Full Professional Proficiency |
| Italian | Limited Working Proficiency |
| Persian | Native |