Arian Maghsoudnia

Master of Energy Engineering(Ongoing), Bachelor of Mechanical Engineering

📱 +393515265201

in Arian_Maghsoudnia

✉ arian.m95@gmail.com

📍 Piacenza, Italy

🌐 arianmaghsoudnia.eu

Date of birth 28/07/1995

Work Experience

March 2021 – September 2021
Position: IoT Solutions, Data Analysys, Embedded Systems, and Backend Developer Intern
Supervisor: Giuseppe Caspani, Matteo Fiameni
Location: SAEP-ICT, Milan, Italy

July 2020 – March 2021
Position: Backend Developer Intern
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.

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 "Ofoq" 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, NodeJS, 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

English	Full Professional Proficiency
Italian	Limited Working Proficiency
Persian	Native