Arian Maghsoudnia

Master of Energy Engineering,
Bachelor of Mechanical Engineering

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Date of birth 28/07/1995

Work Experience

January 2018 – July 2018
Position: Researcher
Supervisor: Dr. Reza Nadafi
Location: Entrepreneurship and Innovation Center, Amirkabir University of Technology

December 2017 – Present
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 assistnant, CFD modelling 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

- Ranked First among Scientific Associations, AUT
- Ranked Third for "Ofoq" Scientific Magazine, Iranian National Movement Festival
- Ranked Top 1% in the National Entrance Examination form Iranian universities
- Ranked First among all project, 27th NODET Exhibition

Skills

- Mechanical Engineering
- ANSYS® Fluent, ANSYS® Mechanical, Solid Works®, Auto CAD®, Aspen Plus
- Programing Languages
- C++, Python, MATLAB®, EES©, FreeFem ++, Ampl, Wolfram Mathematica.
- Application
- Microsoft Office® Package, Linux Packages and Server

Selected Courses

- Energy and Environmental Technologies for Building Systems
- Computational Fluid Dynamics
- Electric Conversion of Renewable Energy Sources
- Energy Systems
- Fluid Machines for Low-Carbon Technologies
- Fundamentals of Chemical Processes for Energy and Environment
- Numerical Methods for Optimization & Functional Analysis and Numeric for PDEs
- Renewable Energy and Low-Carbon Technologies
- Smart Grids and Regulation for Renewable Energy

Languages

English ●●●●● Full Professional Proficiency

Italian ●●○○○ Limited Working Proficiency

Persian ●●●●●