

Amirreza Rezayan

Mechanical engineer

- **DoB:** 1987/09/06
- **Marital Status:** Married
- **Military Service:** exempted

Address: Floor 1, Golestan Bldg, Dadgostari quarter, Karvash Ave, Gorgan, Iran

phone: (+98) 9111780759

Email: arezayan87@gmail.com

EDUCATION:

• PhD of Mechanical Engineering, Energy Conversion Noshirvani university of technology Research area interest: modeling urban comfort	2020- still studying
Master of Mechanical Engineering, Energy Conversion Sari Azad university Total GPA: 16.17/20 Thesis: "Numerical study of effect of turbulent flow in wind catchers"	2015-2018
Bachelor of petroleum engineering, Production Omidieh Azad university Total GPA: 15.04/20 Thesis: "NMR Logging Principles and Applications"	2004-2009

TEACHING EXPERINCES:

Word, Excel workshop Faculty of chemical engineering, Alibad-Katul university	2018
Python for CFD Faculty of engineering, Sari Azad university	2019
An introduction to Grasshopper for engineers, workshop Lamei Gorgani University	2021
GrassHopper for urban planners, webinar Lamei Gorgani University	TBA

WORKING EXPERINCES:

Tadbir Energy Hirkan (Energy inspection) Head of engineering section	2015-2019
Tadbir Energy Hiran (Energy research) Building energy auditor	2015-2018
Khadamat Bartar Gonbad (Fuel station contractor) Head of maintenance section	2011-2014
Orta-Asia Petroleum CO Interpreter	2009-2013
CNLC (well-logging contractor) Operator	2009-2010
Internship National Iranian south oilfields - Aghajari	2008

SKILLS:

SPECIALTY SOFTWARE

Matlab	<i>Experienced</i>	Python	<i>Experienced</i>
GrassHopper	<i>Very Experienced</i>	Envi-Met	<i>Expert</i>
Design Builder	<i>Experienced</i>	SAM	<i>Experienced</i>
Minitab	<i>Very Experienced</i>	SAS jmp	<i>Experienced</i>
Ansys Fluent	<i>Expert</i>	Open-FOAM	<i>Experienced</i>
Revit Energy	<i>Experienced</i>	PASCAL	<i>Experienced</i>

GENERAL SOFTWARE

MS Office	<i>Very Experienced</i>	EndNote	<i>Expert</i>
Google Earth	<i>Experienced</i>	VS code	<i>Expert</i>

LANGUAGE

English	<i>Fluent</i>	Persian	<i>native</i>
----------------	---------------	----------------	---------------

RESEARCH INTEREST

- *Natural ventilation*
- *CFD modeling*
- *sustainable design*
- *Turbulence*
- *Heat transfer*