

Mohammad Afkani Physics Student

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Karaj, Iran



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About me ——

I'm a physics student highly enthused about the Universe.

The deep nanoworld engages my curiosity, the way it affects human being and vice-versa.

Coding —

GNU/Linux & Bash & Git

C & Python

LATEX & Microsoft Office

WordPress & HTML/CSS/JS

Softwares -

Quantum ESPRESSO

WIEN2k

BoltzTrap2

XCrySDen & VESTA

Languages -

English (Advance)

Persian (Native)

German (Basic)

Interests

Condensed matter physics, Nano physics, Computational physics, Open-source projects, Linux, Machine learning.

2020	B.Sc. Solid-State Physics Fully Funded Scholarship, GPA † : 2.1	Kharazmi University
2015	Diploma Mathematics and Physics. Fully Funded Scholarship, GPA [†] : 1.5	Dehkhoda High School

Bulk and surface DFT investigations of the electronic and magnetic properties of CsXNO (X = Mg, Ca and Sr) quaternary Heusler

Publications

2020

	alloys (accepted)	Materials Chemistry and Physics
2020	Inflation: Are latest detected events of string theory?	s of gravitational waves in favor arXiv:2003.00450
2019	Investigation of the electronic and t monolayer (NCWNN)	hermoelectric properties of GeS conference
2019	Electronic and elastic properties ${\rm Zr_2RhAl.}(14{\rm th~Conference~on~Cond})$	
2018	Investigation of the structural, electron of silicon carbide monolayer coated function theory. (The Annual Physic	with manganese using density
2018	Electronic and optical properties of International Congress on Nanoscie	

2017-2019 The Physics society of Iran

$\operatorname{Activities}$

2017-2020	Volunteer Librarian; Faculty of Physics, Kharazmi University
2020	Teaching assistant; Fundamentals of Physics II
2018	Teaching assistant; Analytical Physics II
2018	Running online education system; Crystallography courses
2017	Multi computers clustering; Computational Physics Lab, Faculty of
2016	Physics, Kharazmi University Running library management system(KOHA); Faculty of Physics, Kharazmi University

2020	Physics School	IASBS
	$25\mathrm{th}$ Physics School at The institute for advanced sciences	studies in basic
2019	Executive director Yaldā's night party	Faculty of Physics
2018	Workshop 2nd Workshop on Machine Learning in Physics: Condensed Matter Physics	Tehran University Applications in
2018	Lecture Ubuntu 18.04 LTS release party	Faculty of Physics
2017	Presention	Startup weekend

The first startup weekend in Karaj

[†] Germany grading scale: Modified Bavarian formula