



Mohammad Afkani

Physics Student

9 December 1996

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About me

I'm a Physics student interested in laws of the Universe. curiosity made me find answers to questions in the deep nanoworld, the way it affects the human being and vice-versa.

Skills

English

Infographics

Teaching ability

Coding

Linux

C

Python

Fortran

Quantum ESPRESSO

WIEN2k

BoltzTrap2-ShengBTE

Git

LaTex

HTML JS CSS

Interests

Condensed Matter Physics, Nano Physics, Computational Physics, Open-source Projects, Linux, Machine Learning.

Education

2015-Now	B.Sc. Solid-State Physics Fully Funded Scholarship	Kharazmi University
2014	Diploma Mathematics and Physics. GPA: 3.89 Fully Funded Scholarship	Dehkhoda High School

Publications

2019	Bulk and surface DFT investigations of the electronic and magnetic properties of CsXNO (X = Mg, Ca and Sr) quaternary Heusler alloys (submitted)	journal
2019	Investigation of the electronic and thermoelectric properties of GeS monolayer (NCWNN)	conference
2019	Electronic and elastic properties of the full Heusler structure Zr ₂ RhAl.(14th Conference on Condensed Matter)	conference
2018	Investigation of the structural, electronic and magnetic properties of silicon carbide monolayer coated with manganese using density function theory.(The Annual Physics Conference Of Iran)	conference
2018	Electronic and optical properties of Penta-BP ₅ monolayer.(The 7th International Congress on Nanoscience and Nanotechnology)	conference

Memberships

2017-2019	The Physics society of Iran
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Activites

2017-2019	Volunteer Librarian; Faculty of Physics
2018	Teaching assistant; Analytical Physics course
2018	Running online education system; Crystallography courses
2017	Multi computers clustering
2016	Running library management system(KOHA); Faculty of Physics

Experience

2018	Workshop 2nd Workshop on Machine Learning in Physics: Applications in Condensed Matter Physics	Tehran University
2018	Lecture Ubuntu 18.04 LTS release party	Faculty of Physics
2017	Presention The first startup weekend in Karaj	Startup weekend