Mohammad Afkani

Physics Student

9 December 1996

Karaj, Iran

+98 9033334311

www.AFKANI.ir

Afkani.Mohammad@Gmail.com

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 human being and vice-versa.

Skills

- Verbal communications
- English
- Infographics
- Teaching ability

Coding

- Linux
- C
- Python
- Fortran
- Git
- LaTex
- HTML JS CSS

Interests

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

Education

2014 — Diploma Mathematics and Physics. GPA: 3.89 — Dehkhoda High School
Fully Funded Scholarship

2015-Now — B.Sc. Solid-State Physics — Kharazmi University
Fully Funded Scholarship

Publications

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)

2018 — Electronic and optical properties of Penta-BP_5 monolayer.(The 7th International Congress on Nanoscience and Nanotechnology)

2018 — Electronic and elastic properties of the full Heusler structure Zr2RhAl.(14th Conference on Condensed Matter)

Memberships

2018 — The Physics society of Iran

Activites

2016 — Running [open-source] library management system; Faculty of Physics
2017 — Multi computers clustering
2017 — Volunteer Librarian; Faculty of Physics
2018 — Running online education system; Crystallography courses
2018 — Teaching assistant; Analytical Physics course

Experience

2017 — Presention — Startup weekend
The first startup weekend in Karaj

2018 — Lecture — Faculty of Physics
Ubuntu 18.04 LTS release party

2018 — Workshop — Tehran University
2nd Workshop on Machine Learning in Physics: Applications in Condensed Matter Physics

Transcripts

Analytical Mechanics I: 2
Analytical Mechanics II: 3
Basic Physics I: 2
Basic Physics II: 4
Basic Physics III: 1
Basic Physics I Lab: 4
Crystallography: 4
Electromagnetism I: 4
Electromagnetism II: 4
Introductory AstroPhysics: 3
Mathematics I: 3
Mathematics II: 3
Modern Physics I: 3
Modern Physics II: 2
Modern Physics Lab: 4
Quantum Mechanics I: 4