

Zahra Saadat Someh Sofla

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Education

- B.Sc. in Materials Science & Engineering Sep 2013 – Sep 2017
Department of Materials Science & Engineering, Sharif University of Technology, Tehran, Iran
GPA: 18.15/20
- Diploma in mathematics and physics Sep 2012
Aean Roshan High school, Tehran, Iran

Research interests

- Modeling and Simulation of Physical and mechanical Properties of Materials
- Electronic, Optical and Magnetic Properties of Materials
- Computational Materials Science

Honors and Achievements

- Admitted for graduate study without entrance exam due to undergraduate background Sep 2017
- **Ranked 1st** in 22nd nationwide scientific student Olympiad of Materials Science & Engineering Sep 2017
- **Ranked 2nd** among about 60 B.Sc. classmates in the department and honored with certificate of merit from head of the department 2014 - 2017
- Member of the “**National Elites Foundation**” 2015 - present

Research Experiences

- Investigation of Microstructure and Mechanical properties of Al-6Mg alloy after rolling and two-step annealing
Supervisor: Prof. M. Kazeminezhad
B. Sc. Thesis
Jul 2016- Aug 2017
- Introduction to Additive Manufacturing (3D printing)
Including AM methods, feedstocks and applications specially Selective Laser Melting (SLM) and Electron Beam Melting (EBM) methods
Internship Project
MAPNA (TUGA)
One of the most professional companies in Iran
Jul 2017 – Sep 2017

Skills and Qualifications

- Language: Persian (Native), English (Upper Intermediate)
- Programming Language: Python
- Operating system: Windows
- Engineering Software Packages: MATLAB, Solid Works, Clemex, LAMMPS
- Familiar to Simulation in materials science including the theory of Monte Carlo method, Cellular Automata method, Phase Field method and Molecular Dynamics