

Sarah Bakhtiari

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EDUCATION

Iran University of Science and Technology

Tehran, Iran

Bachelor of Mechanical Engineering

2016-2021

- GPA: 15.76/20
- Notable Courses: Mechanical Vibrations, Mechanics of Materials, Statics, Dynamics

EXPERIENCE

Teacher Assistant

September 2021 – December 2021

Iran University of Science and Technology

Tehran, Iran

- Statics course

Mechanical Engineer

May 2021 – Present

Tadbir Sahel Pars

Tehran, Iran

- Pipe Infrastructure Design

Mechanical Engineer

December 2020 – May 2021

FGPco

Tehran, Iran

- Pipe Infrastructure Design

R&D Engineer

September 2020 – December 2020

Arman Tahviah

Mashhad, Iran

- HVAC Design

R&D Engineer

June 2019 - September 2019

SAPCO

Tehran, Iran

- Internship

QA Engineer

June 2018 - September 2018

Part Sazan

Mashhad, Iran

- Internship

PROJECTS

Bachelor Degree Thesis | COMSOL Multiphysics, Matlab

May 2019 – October 2021

- Simulation of the propagation of Ultrasonic shear waves in the tumor liver environment to diagnose cancer
- A Thesis Submitted in Partial Fulfillment of the Requirement for the Degree of Bachelor of Science in Mechanical Engineering
- Under supervision of Dr. Mansoor Alizadeh

TECHNICAL SKILLS

Tools and Technologies: CATIA, AutoCAD, SolidWorks, PDMS, CAESAR II, COMSOL Multiphysics, Carrier HAP, Revit, Navisworks, PIPENET, Microsoft Office

Programming Languages: Python, MATLAB

Industry Knowledge: Report Writing

Languages: Persian (Farsi), English

COMMUNITY & LEADERSHIP

Member

September 2017 – September 2019

Scientific Society

Tehran, Iran

- Participated in activities and programs organized by Scientific Society of Mechanical Engineering of IUST