MOHSEN KOORANI MASKAN

AeroSpace Engineer & Back-end Developer

CONTACT

- Mansuri Street, no.11, KhalajAbad, Karaj, Alborz, Iran
- +982632322604 (phone) +989109883120 (mobile)
- in https://www.linkedin.com/in/ /MohsenKooraniMaskan
- R^G https://www.researchgate.net /profile/Mohsen_Koorani_Maskan
- mkm.koorani@outlook.com

SKILLS

PROFESSIONAL SKILLS

C#	
C#	
SQL Server	••••
HTML & CSS	••••
Java Script	••••
Angular	••••
Python	••••
Matlab	••••
Maple	•••••
Fortran	••••
Android	••••
StimulSoft	••••
Git	••••
C / C++	••••

PERSONAL SKILLS

Creativity	••••
Leadership	••••
Organization	••••
Teamwork	•••••
Initiative	



PROFILE

I'm an engineer having academical aerospace knowledge and mastered in softwares related to it. On the other hand a junior back-end developer with over 2 years of experience in an top notch organization and a creative person with the ability of managing the projects and participate in teamworks.

EXPERIENCES

PENDAR IDEAS Full Stack Developer

Hired as junior back-end developer and them I become full stack developer at Pendar Ideas. I've had the opportunity to design and develop with awesome team from all over Iran

EDUCATION

K. N. T. Univesity of Technology
Tehran, Iran
Master of Structural Engineering
Final Score: 17.87/20

March 2018

Programming in C#
Sematec co., Tehtan, Iran
Score: 95/100
March 2018

Urmia University of Technology Urmia, Iran Bachelor of AeroSpace Engineering Final Score: 16.31/20 2013 - 2017 Android Applocation Development IEEE Branch of K. N. T. University of Technology, Tehran, Iran April 2018

2018 - present

TEACHING EXPERIENCE

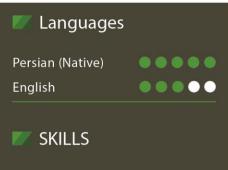
K. N. T. Univesity of Technology Tehran, Iran Teacher Assistant Advanced Structural Analysis Msc of AeroSpace Engineering Spring 2018

K. N. T. Univesity of Technology Tehran, Iran Programming in Matlab Spring 2018 K. N. T. Univesity of Technology Tehran, Iran Teacher Assistant Mechanics of Materials Bsc of AeroSpace Engineering Spring 2018

Urmia University of Technology Urmia, Iran Design in Catia Fall 2015

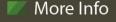
MOHSEN KOORANI MASKAN

AeroSpace Engineer & Back-end Developer



PROFESSIONAL SKILLS





Birth: 1994

Military Service Status: Exemptions for special cases

ACADEMIC EXPERIENCES & HONORS

- Aerodynamics project: Implementation of Analysis of flow on cylinders and airfoils by panel method.
- Computational fluid dynamics project: Implementation of Heat transfer analysis at different speeds and boundary conditions.
- Heat transfer project: Implementation of Heat transfer analysis in different specimens and counditions.
- Flight mechanics project: Sample flight route implementation and route, flight parameters and control parameters calculation.
- Aircraft design project: Theoretical design of regional propeller aircraft.
- Industrial design project: Theoretical design of quadcopter.
- Advanced industrial design project: Theoretical design of turbo-fan engine.
- Advanced composite structures project: Implementation of composite structure analysis, their Failure and progress of their failure by Python and Matlab programming languages.
- Advanced finite element method project: Implementation of general structure analysis process using finite element method by Python and Matlab programming languages.
- Aeroelastic project: Implementation of Analysis of instability and divergence of aircraft structure at variable altitude by Python, Maple and Matlab programming languages.
- Optimization project: Implementation of genetic algorithms and other optimization algorithms (such as BFGS, DFP, FR, etc ...) by Python and Matlab programming languages.
- Full design of pioneer UAVs (details and generalities).
- Secretary of the association of Inventors and Researchers of urmia university of technology, 2015 - 2017.
- Ranked 3rd in the class of 2013, Aerospace Engineering Dept. of urmia university of technology.
- Ranked 1st in the class of 2017, Aerospace Engineering Structural Engineering Dept. of K. N. T. university of technology.
- Bsc Thesis: Improving diesel engine performance by controlling cavitation in injector nozzles (analysis by Ansys - Fluent commercial software).
- Msc Thesis: Progressive damages analysis due to mechanical and thermal loads on composite laminates (analysis by Abaqus commercial software and a general and innovative python script for simulate progress of damage and failure).