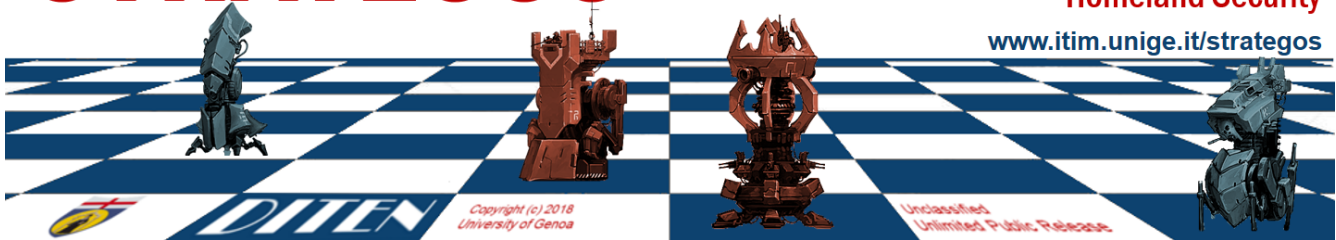


STRATEGOS

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Master of Science on Engineering Technology for Strategy and Security



STRATEGIC Engineer Resume

Name	Fatemeh
Family Name	Shabani
Citizenship	Iranian
Address	Kooyeh Ghozat , Qazvin, Iran
Tel	+98 912 926 8057
Email	f76shabani@gmail.com
Skype	+98 912 926 8057 Skype name: cid.b008bbbec5dcc5b2

Education & Special Certificates

**2016-2021, B.Sc. in MECHANICAL ENGINEERING,
University of Zanjan, Zanjan, Iran**

**2021 (36 Hours), Certificate of Clause 16 of the Iran
National Rules-Flow of Water and Sewage, Qazvin
Province Engineering Organization, Qazvin, Iran**

**2019 (124 Hours), Certificate of Clause 17 of the
Iran National Rules-Gas Pipeline Contractor
Qazvin Province Engineering Organization,
Qazvin, Iran**

**2018 (100 Hours), Certificate of SOLIDWORKS
Mojtame Fani Tehran, Tehran, Iran**

**2017, Certificate of Data Analyzing with MATLAB
Mojtame Fani Tehran, Tehran, Iran**

**2016 (60 Hours), Certificate of ABAQUS, Mojtame
Fani Tehran, Tehran, Iran**

Professional Experiences

**Providing input on project processes, strategies, and
execution. Writing reports on findings. Assisting other
engineers in ongoing projects. Utilizing various laboratory
equipment for process analysis. Performing data analysis
and reporting trends to operating personnel. Participating
in day-to-day engineering activities in a fast-paced and
varied environment. RAJAE POWER PLANT, GHAZVIN,
IRAN**

Scientific Experiences

**Applying technical knowledge to analyze, investigate and
resolve assigned engineering problems. Performing
functional testing and troubleshooting equipment and
systems in assigned areas using standard engineering**

and scientific principles. Finding Documents and implementing solutions, and communicating results to engineering staff. Providing design or technician staff direction for developing designs, mechanical drawings, and conducting verification testing. KAVOOSH SYSTEM COMPANY, QAZVIN, IRAN

Creating concept and manufacturing drawings, including deriving bills of material. Creating technical documentation, especially user manuals. Supporting the Managing Director in optimizing the manufacturing costs, mainly through the constructive implementation of ideas for improvement and standardization concepts. Supporting the Engineering Manager and colleagues where the other business unit, solid-liquid filtration and separation technology, is operated. MAHAM KARAN COMPANY, QAZVIN, IRAN

Projects

Creating a laser level was the subject of an individual project. My project connected a gyro sensor to two stepper motors through a plate. Using the Arduino board, I read the coordinates of the screen from the gyro sensor and programmed the stepper motors to return the plate to balance using the Arduino software.

A modal analysis project was undertaken as an individual project. We used Abaqus software to analyze the beam's natural frequency in two-dimensional mode with different boundary conditions, such as single head, double head, etc. With the accelerometer sensor and the analog-to-digital converter in the Excel file, its diagram was drawn in MATLAB software. Using Abaqus software, two-dimensional and three-dimensional analysis was compared.

Solar panels were the subject of an individual project. Various designs were developed for the solar panel, frame, and roof connection based on different loading conditions. Additionally, vibration and thermal analyses were

performed. Ansys software was used for analysis, while Solidworks software was used for modeling.

Technical Skills

- CAD Drawing
- Typographical Software and Picture Elaboration
- Team Working in homogeneous and not homogeneous teams
- Fluent communications and coordination

ICT Skills

I have skills in using the Office suite with advanced skills in using Excel, PowerPoint, word. I have a basic knowledge of PYTHON and ARDUINO

Languages

Farsi, Persian (Native Language)

English (B2 Certified)

Other(s)

I have some positive skills like Problem Solving, self-motivation, Adaptability, Ability to work under Pressure

Experiences

Safe Driving P

I love to swim and I am pretty skilled. I read books. I am talented in Playing Guitar and Solving Puzzles.

I hereby authorize STRATEGOS, Genoa University and Simulation Team to share my CV for Professional and Scientific Reasons with Companies & Institutions