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MOHAMAD ZAMANI ASHTIANI

CAREER OBJECTIVE To use and build upon my strong capability as an electrical engineer and thermographer.

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- SKILLS & ABILITIES**
- Designing Electrical MV Switchgear
 - Designing Electrical LV and Distribution panel
 - Electrical Project Manager
 - Selling and Purchasing Electrical Instruments
 - Operating of Infrared Camera (Flir, Satir, Testo)
 - Operating UV Cameras (Corona Cam.)
 - Operating Ultrasonic Detectors.
 - Infrared Thermography Trainer
 - Software for analyzing IR pictures.
 - Familiar with Most Electrical Equipment.
 - MS Office
 - MATLAB Knowledge
 - Auto-cad Knowledge
 - Languages: English and Persian

PROFESSIONAL EXPERIENCE **TECHNICAL MANAGER, IRTC (FAN AVARAN MADOON GHERMEZ)**
<http://www.ir-tc.com>

Apr 2016 - Apr 2017

- Training basic of thermography technology and operation of infrared cameras.
 - Consultant for electrical and industrial companies in thermography projects or buying infrared cameras.
 - Process tender documents for preparing best technical and financial offers.
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- Arrange technical meeting for introducing new technologies to our customers.
- Analyze UV camera's video for diagnosis of discharge phenomena on overhead lines for finding fault in isolators.
- Supervise other expert's reports before finalizing.
- Testing insulators in over-head lines by ultrasonic detector which is designed for corona and arcing inspections for predictive maintenance in electric utilities.

SALES ENGINEER & PROJECT MANAGER, MEHRABAD INDUSTRIAL CO.

www.mehrabad-co.net

Mar 2012 - Apr 2016

- Analyze equipment, cost and time of performance of designing and manufacturing of low-voltage and middle-voltage power panels.
- Design Single Line Diagram for MV and LV panels.
- Conduct calculation and design for measuring circuits.
- Electrical design of low-voltage electrical distribution panels.
- Manage project of MV and LV(MCC) panels for IRIB (cost \$US 1.5 Million)
- Test middle-voltage and low-voltage power panels.
- Supervise testing and running water supply panels.

SALES ENGINEER, PARS TABLEAU

www.parstableu.com

Apr 2009 - Dec 2010

- Conduct research and study regarding designing and developing MV compact power panels, model Flukit (Areva).
- Conduct research and study in the field 20KV compact substations.
- Design electrical compartment of GRC substation.
- Manage project of 315KVA,630KVA,800KVA GRC substation for Tehran Electrical Power Distribution Company (cost \$US4 million)
- design Single-Line Diagram for LV and MV panels.
- Perform financial assessment and prepare timetable for projects.

- Supervise purchase of project equipment, design and assemblage and other stages of production.
- Apply all procedures under ISO 9001 Standards.

THERMOGRAPHER, IRTC (FAN AVARAN MADOON GHERMEZ)

<http://www.ir-tc.com>

Feb 2007 - Apr 2009

- Monitor all equipment installed in transmission and distribution companies and power plant by infrared cameras.
- Auditing pipes in boiler of power plants and petrochemical companies.
- Analyze the IR picture and make a report for clients. Report included IR and visual picture, explain about reason and stage of fault, offer to solve issue.

EDUCATION SEMNAN UNIVERSITY – IRAN 2013

Master of Science: Electrical Engineering

Thesis: Classification of Power Quality Event by Multiwavelet.

Simulate 7 power quality events (pure Sin, Sag, Swell, Interruption, Harmonic, Harmonic & Sag, Harmonic and Swell) and classification them by using Multiwavelet for improving the accuracy to 98% By MATLAB.

MAZANDARAN UNIVERSITY – IRAN 2006

Bachelor of Science: Electrical Engineering (Assessed By Engineers Australia As Professional Electrical Engineer).

Thesis: Designing and Making of Control Circuit of DC Motors By Microcontroller AVR.

SHORT COURSES

IRTC (FAN AVARAN MADOON GHERMEZ)

- [Level1 Infrared Thermography, April 2016]

Shahid Beheshti University

- [Cable Fault Detection, March 2017]

TAFE NSW

- [Skillmax Program, July 2017]

HOBBIES AND INTERESTS

- Basketball
- Swimming
- Puzzles
- Video games
- Going on picnic & B.B.Q

REFEREES

Mansour Alidousti

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