

Amir Eshtiaghi

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Work Experience

HVAC/MEP Engineer (2012 – Now)

Eshico Consulting Services, Granby, MA 01033

Consulting services for engineers, architects and construction firms with their mechanical, electrical and plumbing needs. Perform load calculation and duct layout for proper HVAC system sizing and selection. Monitor Building Energy and optimization. Work on small commercial and residential projects in New England.

Application/Research Engineer (2012 – Now)

MESTEK Corporation, Westfield, MA 01085

Help consulting engineers and contractors to size and select the right HVAC system for their needs. Perform HVAC load calculation and MEP design for residential and commercial projects. Research and Develop operation on DADANCO chilled beam units to improve performance and lower the manufacturing cost.

Research Assistant (2009 – 2012)

TIER, Louisiana State University, Baton Rouge, LA 70803

I modified Natural Gas fuel pre-mixer device patented by SIEMENS ENERGY to minimize thermal stresses effects. Developed a new method to control gas and air mixture quality actively.

Research Engineer (2005 – 2009)

Laser Diagnostics Thermal Laboratory, Tehran, Iran

I performed non-intrusive Laser Interferometer technique to diagnose heat transfer over linear and symmetrical objects. Developed a new technique to visualize air flow in interferometer setup.

Education

Louisiana State University (2009 – 2012)

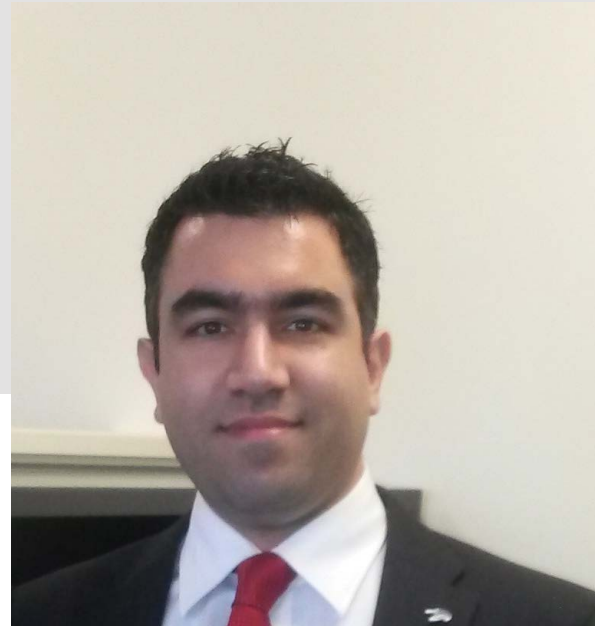
Masters of Science in Mechanical Engineering

Daring Academic Achievement Award

University of Tehran (2001 – 2005)

Bachelor of Science in Mechanical Engineering

Achieved the Award of excellence for Senior Design Project



Profile

Highly experienced and dependable HVAC Mechanical Engineer with an excellent record of residential and corporate customer satisfaction. Broad and deep knowledge of all building infrastructural systems. Adept at functioning well both as a team member and independently.

Active PROFESSIONAL ENGINEER (P.E.) in the state of Connecticut with over ten years of experience in various fields of mechanical engineering such as HVAC calculation and design, numerical flow/thermal simulation and experimental diagnostics of thermal and fluid systems.

Skills

HVAC Design:	██████████
REVIT MEP:	██████████
eQUEST:	██████████
ANSYS CFD:	██████████
CAD design:	██████████