

**Mechanical Engineer**, Engendren Corporation (Formerly IEA, Inc). (Kenosha, WI) **August '08 to March '13**

Engendren is an industry leader in offering innovative cooling solutions for large-scale engines used for power generation. Engendren's product line is one of the most diverse of any major radiator manufacturer in North America. It also offers modular data centers for cloud computing through its subsidiary Silver Linings, LLC.

Primary responsibilities included using CFD & FEA tools to help design engineers in the product development process. Developing heat transfer products from concept to production.

- New product development of heat transfer and electro-mechanical products
- Design for manufacturing, dFMEA
- Product testing & validation
- Robust product development using DOE & statistical methods

## Education

**Master of Engineering Management**, Northwestern University, Evanston IL **Present**

**Master of Mechanical & Aerospace Engineering**, Illinois Institute of Technology, Chicago, IL **May '08**

**Bachelor of Engineering**, University of Pune, India **August '05**

**Certificate in Fatigue & Fracture Mechanics in FE Analysis**, NAFEMS **Nov '12**

**Certificate in Basic & Advanced Dynamics**, NAFEMS **May '12**

**Certificate in 'CFD Based Thermal Management of Electronics Systems**, Waveaxis, India **Nov'05**

## Technical Skills

- Finite Element Analysis, Computational Fluid Dynamics using SolidWorks
- Statistical Analysis, DOE using JMP, Excel, Minitab
- Machine Learning algorithm, analytics using JMP, Tableau, Weka
- Project valuation, risk analysis using @Risk

## Conferences and Presentations

- 'Analyzing Perforated Sheets using Equivalent Modeling Technique', SolidWorks Users Group **2011**
- 'Silver Linings', Keynote Guest Speaker, Graphics Systems Users' Conference **2011**
- 'Using SolidWorks for Innovative Product Development', Keynote Guest Speaker, Graphics Systems Users' Conference **2010**

## Patents

Four on lighting fixture design, thermal management of lighting fixtures, some pending