NASIR SHARAF

CEMIT, CEAIT, EIT

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EXPERIENCE

Siemens Industry Inc, Plymouth, MI
Associate Energy Engineer   *July 2016 – Present*

- Performed Utility Data Analyses (UDA), Energy Star Benchmarking, Energy Audits, Monitor Based Commissioning (MBCx), and Air Handler Retro-Commissioning (RCx) for the Midwest zone
- Drafted and provided submittal drawings for Siemens Demand Flow Chiller Optimization and Siemens Green Labs projects. Largest single project valued at $775,000
- Prepared submittals for systems level controls and bid documents for solutions construction projects as part of the Design Team, including parts sizing, specifications review, and custom drawing requests
- Operations Development Program (ODP) in the Building Technologies division (BT), which provided year-long training in energy engineering, sales, and system controls basics

Mathnasium Learning Center, West Bloomfield, MI
Instructor   *January 2016 – August 2016*

- Provided team-based instruction in mathematics, in a group environment to assist Pre-K to High School students

DTE Energy Company, Detroit, MI
Co-op/ Intern   *January 2014 – August 2015*

- Under the Major Enterprise Projects division, coordinated with the City of Detroit's Public Lighting Authority (PLA) to provide public street lighting to Detroit.
- Surveyed area for new Redwings stadium by noting place and type of streetlight in a large neighborhood of Detroit and presenting findings to Departmental Supervisor

RESEARCH

University of Pittsburgh, Pittsburgh, PA
Research Assistant

Department of Mechanical Engineering and Materials Sciences   *November 2014 – April 2015*
- Created models and teaching materials of heat pipe technology for High School level classroom demonstrations

Department of Pharmacology and Chemical Biology   *September 2012 – December 2013*
- Studied the physiological effects of various drugs on the slow baseline contractions of the bladder by conducting strip surgeries and assisted in experimental setups, presented findings at the Honors College Undergraduate Research Fair 2013

SKILLS

Software:	SolidWorks, AutoCAD, ANSYS Workbench, ANSYS Fluent, Advantage Navigator, Microsoft Office, Tableau
Languages:	HTML5, CSS5, Javascript, node.js, Python, R, Swift, PPCL, MATLAB, C, C++

EDUCATION

University of Pittsburgh, Pittsburgh, PA   Graduation: Dec 2015
Bachelor of Science in Mechanical Engineering   GPA: 3.2

CERTIFICATIONS

- Association of Energy Engineers certified energy manager in training (C.E.M.I.T), certified energy auditor in training (C.E.A.I.T)
- Udacity Data Analyst Nanodegree

HONORS & ACTIVITIES

- University of Pittsburgh Honors College and Dean's List: Fall 2011, Fall 2013, Fall 2014, Spring 2015, Fall 2015
- Volunteer Food Distributor at ICP Food Pantry