

# Neha Gada

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## EDUCATION

Texas A&M University- College Station, Texas

**Master of Science in Mechanical Engineering**, May 2016

University of Texas at Arlington- Arlington, Texas

**Bachelor of Science in Mechanical Engineering**, August 2014

**GPA: 3.64/4.0**

## DEGREE RELATED COURSEWORK

Experimental Methods and Measurements, Design Graphics, Kinematics and Dynamics, Mechanical Design, Dynamic Systems Modeling and Simulation, Introduction to Automatic Control, Thermodynamics, Heat Transfer, Structure and Mechanical Behavior of Materials, Introduction to Manufacturing, Fundamentals of Composite Materials, Computer Aided Engineering, Electronic Packaging in Micro-Electronic Systems, Senior Capstone Design

## RELEVANT PROJECTS

- Capstone Design Project: Spring 2014
  - Conducted research as team leader in the adaptation and development of dispenser heads for use in low temperature 3D bio-printing technologies
- Structural Analysis of a Steering Wheel: Spring 2014
  - As part of a group project, conducted stress analysis on an FSAE steering wheel during impact using Ansys
- Aircraft Landing Project: Fall 2013
  - Designed an aircraft landing control system of a commercial aircraft for use in all-weather operations
- Gearbox Design: Fall 2013
  - Spearheaded a group project to design a three stage reduction gearbox with spur gears to be used in a commercial application

## WORK EXPERIENCE

- Mechanical Engineering Intern – Nucor Steel, TX Spring 2015-Present
  - Work on projects in the roll mill such as process water and lubrication usage
- Graduate Teaching Assistant – Texas A&M University Fall 2014
  - Assist faculty member with instructional preparation, delivery and assessment in undergraduate materials science course
- Tutor, Level 2 – University Tutorial and Supplemental Instruction at UTA: Fall 2011-Spring 2012
  - Tutored one on one and groups of students for Calculus I, II, and III; College Physics I and II
- SI Leader -University Tutorial and Supplemental Instruction at UTA: Fall 2011-Spring 2012
  - Lead group study sessions and assisted students with coursework
  - Helped students prepare effectively for exams

## SKILLS

- Mechanical Software: Pro/Engineer, Catia, Autodesk Inventor, Ansys, Arduino
- Application Software: Microsoft Word, Excel, and PowerPoint
- Basic skills in Matlab, C

## HONORS AND ACTIVITIES

- Member of Tau Beta Pi- Engineering Honor Society Spring 2014 – Present
- Member of Alpha Phi Omega- Service Fraternity Summer 2013 – Present
- President of Pi Tau Sigma – Mechanical Engineering Honor Society, UTA Fall 2013 – Summer 2014
- College of Engineering Senator – Student Congress, UTA Fall 2012 – Spring 2013
- Recipient of the Outstanding Freshman Scholarship, UTA Fall 2010 – Spring 2014
- Recipient of the Academic Enhancement Scholarship, UTA Fall 2013 – Spring 2014