

Kalyan S Boyina

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Education

University of Illinois – Urbana, Illinois

May 2016

Masters of Science in Mechanical Engineering

GPA: 3.58/4.00

Oklahoma State University – Stillwater, Oklahoma

May 2014

Bachelor of Science in Mechanical Engineering with a minor in Mathematics

GPA: 3.98/4.00

Technical Skills

MS Office, MS Visio, Pro-Engineer, Solidworks, MathCad, Labview, Fluent, Visual Basic, Matlab and Engineering Equation Solver.

Technical Experience

Graduate Research Project – University of Illinois

August 2015 – May 2016

- Designed and built a system to test the frosting performance of Heat Exchangers with different surface coatings.
- Designing a vacuum chamber to test the long term robustness of different surface coatings.

Intern at Lloyd's Register – North America

May 2014 - August 2014, June 2015 - July 2015

- Assisted in the authorized inspection and certification of the components used in the construction of boilers and pressure vessels, and other engineered products.
- Developed a business plan to increase the amount of work opportunities for the company in the North American Midwest region.
- Assisted in preparing a course guide to train company personnel for the ASME Authorized Inspector Exam.

Teaching assistant – University of Illinois

August 2015 – December 2015

- Organized and conducted fundamentals of fluid dynamics labs for 24 students.

Senior Design project – Oklahoma State University

January 2014 – May 2014

- Designed and built a UAV launcher for the senior capstone project.
- Used SolidWorks to design the system and analyze its structural soundness.

Undergraduate research assistant at the Oklahoma State University.

June 2013 - May 2014

- Drafted applications guide for plant loop systems in the EnergyPlus simulation program.
- Designed an airflow measurement chamber in a HVAC lab according to ASHRAE specifications.

Leadership Experience and Campus Involvement

- President of the American Society of Mechanical Engineers – OSU chapter 2013 - 2014
- Member of Design for America – was an active member of a project team to solve the urban flooding issue in Urbana-Champaign, IL. This project is currently under implementation 2014 - 2015
- Member of the Phi Kappa Phi national honors society 2013 - 2015
- Member of the Mercury robotics club – Interacted with a diverse group of students to build a robot to compete in the Mercury Robotics challenge 2011 - 2013
- Active student in the Oklahoma State University Honors College 2011 - 2014

Certifications

- Engineer-In-Training in the state of Illinois (passed the Fundamentals of Engineering exam in August 2015).