

Vighnesh Thanawala

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EDUCATION

University of Illinois Urbana-Champaign, IL
Bachelor of Science, Mechanical Engineering May 2019
Related courses: Statics, Dynamics, Thermodynamics, Differential Equations, Computer Aided Design GPA: 3.82/4.0

EXPERIENCE

Nexteer Automotive Saginaw, MI
Product Engineering Intern May 2016-August 2016

- Organized and conducted experiments on various parts of manual gear such as boot, spring, pinion, bushing, and top cap, and ensured satisfaction or adjusted product to satisfy customer specifications through data analysis
- Applied mathematical principles and engineering theory to develop solutions for existing and developing programs
- Created engineering models of various parts, such as tie rod boots and springs, through Microsoft Excel
- Presented design changes to better satisfy customer requirements

Allstate Insurance Company Northbrook, IL
Job Shadow Program Participant January 2016

WotNow Naperville, IL
Intern July 2015-August 2015 & December 2015-January 2016

- Conducted team meetings to help increase number of supporters and improve the application's productivity
- Analyzed competitors' successful marketing techniques and suggested ways to implement variations of the techniques

Comark Corporation Milford, MA
Summer Intern July 2014-August 2014

- Solved design problems with the computers by working with a mechanical engineer
- Optimized a burn-in chamber for computer testing in order to test the maximum amount of products at a time
- Created a prototype of a test rack to be used in the burn-in chamber

LEADERSHIP

Engineering Open House Urbana-Champaign, IL
Director of Facilities & Equipment May 2016-Present

- Manage facility and equipment requests for the largest student run event on campus hosting over 20,000 attendees

American Society of Mechanical Engineers Urbana-Champaign, IL
Executive Board: Engineering Council Representative September 2015-Present

Member: Outreach, Internal Affairs, External Affairs & Freshman Committee

- Collaborate with small teams to organize fundraisers, service events, and promote STEM at a local elementary school

Engineering Freshman Council Urbana-Champaign, IL
Treasurer September 2015-May 2016

- Managed the club's finances of around \$3000 and estimated projected costs
- Attended weekly meetings and communicated with other members to plan and execute college-wide events

National Organization for Business & Engineering Urbana-Champaign, IL
Executive Board: Junior Board Member September 2015-May 2016

- Participated in weekly Executive Board meetings to plan events and manage the logistics

ACTIVITIES

MechSE Advancement Student Committee Urbana-Champaign, IL
Alumni Subcommittee Representative February 2016-Present

- Organize events with alumni to foster relations between alumni and the university

Illini EcoConcept Urbana-Champaign, IL
Member: Steering & Suspension Team September 2015-Present

- Participate in meetings to discuss, build, problem solve, and design a hydrogen fuel cell car for competition

Illinois Consulting Academy Urbana-Champaign, IL
Academy Member September 2015-Present

- Develop consulting skills through practice case interviews, presentation skills, and more

HONORS

James Scholar August 2016
Dean's List May 2016

SKILLS

Applications & Programming Languages: PTC Creo Parametric, Minitab, MS Office, Google Sketchup, Python, Matlab
Languages: Intermediate in Spanish