

# Nitish Singla

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## EDUCATION

### UNIVERSITY OF ILLINOIS | URBANA-CHAMPAIGN

Bachelor of Science, Mechanical Engineering| Math Minor | May 2017

James Scholar and Deans List(3/6 semesters) | GPA 3.61/4.0

## EXPERIENCE

### AIG | TECHNOLOGY ANALYST INTERN

June 2016 – Aug 2016 | Houston,TX

- Engaged different teams to design and build a team wide collaboration tool for risk analysis
- Leveraged tools like SharePoint, SQL and CSS to help build custom real time dashboard's based on the client's requirements
- Designed the UI for the team collaboration tool which was eventually implemented throughout the Technology Risk Office

### BORG WARNER MACHINE SHOP | PROCESS ENGINEERING INTERN

May 2014 – June 2014 | Manesar, India

- Designed stoppers for leak testing equipment in order to reduce changeover timeframes by upto 65 Percent
- After excelling in the testing stage, the design was pushed into production

### PREMIUM JUICE BRAND | CONSULTANT

May 2015 – Sept 2015 | Urbana,IL

- Worked with a team of 10 students and conducted market research from various online databases
- Developed a comprehensive market strategy and business plan for a watermelon juice brand

## RESEARCH AND CAMPUS EMPLOYMENT

### ENERGY TRANSPORT RESEARCH LAB | UNDERGRAD RESEARCHER

Jan 2015 – Present | Urbana,IL

- Co-author of paper on heat transfer through a condensate droplet on hydrophobic surfaces published on Langmuir
- Gathering information for development of heat exchangers with super hydrophobic and/or anti-frosting surfaces

### ME 330 | TEACHING ASSISTANT

Aug 2016 – Present | Urbana,IL

- Responsible for reviewing,critiquing and grading the quizzes and exams

## CAMPUS INVOLVEMENT

### ENTRECORPS CONSULTING ORGANIZATION | PROJECT ADVISOR/MANAGER, ENGINEER HR LEAD

Jan 2015 - May 2016 | Champaign, IL

### JSDC IROBOTICS | TREASURER AND MECH TEAM MEMBER

Aug 2013 - Dec 2014 | Urbana, IL

## TECHNICAL KNOWLEDGE

### SKILLS

Research:

Insight 4G • ANSYS • Hoovers • Bloomberg

Designing:

AutoCad • Creo • Solidworks

Computing:

Matlab • C++ • Sharepoint • MySQL • DataStructures

### RELEVANT COURSES

Design for Manufacturability • Design for Machinery • Engineering Materials • Energy Systems • MEMS/NEMS Fabrication • Mechanical Design • Signal Processing •