

NIHAR N. GARG

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Seeking a full-time position to be part of a team that challenges me to align my project management skills, passion for technology and positive attitude to solve real-world problems.

EDUCATION

Purdue University - West Lafayette, IN

Bachelor of Science in **Mechanical Engineering**

Professional Associations: American Society of Mechanical Engineers (ASME)

Graduation Date: May 2016

Cumulative GPA: 3.38 / 4.0

WORK EXPERIENCE

Kaiser Aluminum - Intern Project Engineer

Kalamazoo, MI

May 2015 - August 2015

- Responsible for problem solving around the plant and improving plant operations
- Managed 5 capital projects, prepared scope of work and requested investment
- Designed & tested solutions to maximize ergonomics and reduce downtime

Baker Hughes - Intern Engineer

Abu Dhabi, U.A.E.

July 2014

- Assembled liner hanger systems with field engineers in CWI workshop
- Used service units to repair and redress hydraulic release liner setting tools
- Performed pressure & function tests and completed technical data sheet for various tools

Purdue University - Undergraduate Teaching Assistant

West Lafayette, IN

January 2014 - May 2014

- Mentored 7 teams in the 'Transforming Ideas to Innovation II' class
- Tutored students in MATLAB and Microsoft Excel and demonstrated assignments
- Coached teams on engineering design projects and promoted analytical thinking

Control Contracting & Trading Co (CCTC) - Engineering Intern

Abu Dhabi, U.A.E.

May 2013 - June 2013

- Inspected quality of containerized accommodation modules for offshore use
- Operated steel fabrication and HVAC duct fabrication machines
- Acquired health, safety & environment training and performed progress checks

PROJECTS & PRODUCTS

Smart Bin Remover - Senior Engineering Design

Purdue University

Spring 2016

- Headed the programming of robot using an Arduino microcontroller and infrared sensors
- Led the team through the electrical design for the product and performed safety reviews

Project LiT - HackIllinois Hackathon

University of Illinois at Urbana-Champaign

Spring 2016

- Produced code to integrate all the components of a wearable device using an Arduino
- Implemented the engineering design process and *won top 5 for best hardware hack*

Project Green Light - BoilerMake Hackathon

Purdue University

Fall 2015

- Collaborated on the design and build of a product which revolutionizes social interactions
- Developed and conceived innovative uses for the product and *won top 5 for best hack*

Toys to Physics to Design (T2P2D) - C Design Lab Research with Dr. Karthik Ramani

Purdue University

Fall 2014

- Established workshops to design toys and evaluated ease-of-use for CAD software
- Manufactured prototypes using 3D printing technologies (Ultimaker 2, Makerbot)

SKILLS

Engineering: Project Management Product Design & Development Data Analysis Sustainability

Programming: MATLAB C Arduino NI LabVIEW HTML JavaScript

3D CAD Designing: CATIA V5 SolidWorks Autodesk Inventor AutoCAD Rapid Prototyping

LEADERSHIP & TEAM BUILDING

Boiler Gold Rush & International Programs - Team Leader & Consultant

Purdue University

Fall 2013 - Spring 2015

- Introduced cross cultural training programs, such as FISH! Philosophy, to the teams

Purdue Energy Forum Electric Vehicle Grand Prix - Powertrain Team Member

Purdue University

Fall 2013 - Spring 2014

- Designed and assembled two electric vehicles and finished 2nd place at Grand Prix