

NIHAR N. GARG

<http://garg.xyz>
[linkedin.com/in/nihargarg](https://www.linkedin.com/in/nihargarg)

(765) 637-6500
nihar@purdue.edu

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

Graduation Date: May 2016

Bachelor of Science in **Mechanical Engineering**

Cumulative GPA: 3.38 / 4.0

Professional Associations: American Society of Mechanical Engineers (ASME)

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

- Worked on 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

Smart Bin Remover - Senior Engineering Design

Purdue University

Spring 2016

- Headed the programming of robot using an Arduino microcontroller and infrared sensors
- Defined the problem, performed safety/design reviews and constructed mechanical parts

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

Spray Measurements & Analysis - Research with Dr. Sameer Naik

Purdue University

Fall 2015

- Analyzed air blast atomizer under atmospheric and high/low pressure conditions
- Interpreted measurements of aviation liquid fuel sprays and studied the spray variation

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