

RESUME

ABHINAV KRIS BHASIN

Mechanical Engineer

Personal Info:

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Professional Summary:

Detail-oriented Mechanical Engineer with 4 years of experience in the Oil & Gas Industry. Adept in Shell & Tube Heat Exchanger design and experienced in material procurement. Seeking to leverage my project management, design and vendor coordination skills to develop a long-lasting relationship with the work and the company.

Technical Skills:

Microsoft Office (Word, Excel, Power Point and Access)

Advanced

RCS

Advanced

SolidWorks

Advanced

PTC Creo Parametric (Pro-E)

Intermediate

AutoCAD

Intermediate

Programming Languages (C, C++ & Java)

Intermediate

Arduino

Intermediate

HTRI

Basic

MATLAB

Basic

Work Experience:

Mechanical Engineer

(February 2015 – Present)

Brask, Inc. – Neela Site, Pearland, Texas

- Responsible for managing the estimating team that successfully initiated multimillion-dollar contracts with new and long-standing customers.
- Increased team's efficiency and project accuracy by managing work allocations and developing Excel programs to automate design tasks.
- Applied ASME, TEMA and API standards in addition to customer specifications to engineer the most cost-efficient heat exchanger designs.
- Worked with thermal engineers and HTRI datasheets to develop the mechanical design of heat exchangers using the RCS software.
- Coordinated material procurement with vendors for turnaround and regular projects.

Project Manager

(September 2014 – February 2015)

Hardy Machine & Design, Inc. Houston, Texas

- Administered customer's purchase orders and oversaw project development.
- Conveyed product design and engineering drawings to the machinists.
- Acted as a secondary quality manager for the company.
- Coordinated company's internal audits and facilitated ISO 9001 audits and customer audits.

University Research Assistant

(July 2012 – May 2014)

Purdue University, West Lafayette, Indiana

- Conducted research on reduction of inhibition in engineers during design and idea generation.
- Conducted research on various methods of design abstraction prior to concept generation and reverse engineering of products.
- Conducted research on the effects of contact friction on legged robotic platforms.

Summer Intern

(May 2013 – July 2013)

Cummins India Limited, Pune, India

- Coordinated with the engineering and financial department to develop customer care strategies for the implementation of Cummins's new line of engines.
- Evaluated and categorized part defects identified by field engineers.

Education:

Purdue University

(August 2010 – August 2014)

West Lafayette, Indiana

Bachelor of Science in Mechanical Engineering

Publications:

"Art Meets Engineering Design: An Approach for Reducing Sketch Inhibition in Engineers During the Design Process"

Co-Author

ASME IDETC/CIE 2014

"Evaluating the Bottom-Up Method for Functional Decomposition in Product Dissection Tasks"

Co-Author

ASME IDETC/CIE 2014