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Kamalpreet Kauldhar

Qualifications Briefing

Passionate new Engineer with great resource utilization ability, dependability, excellent with deadline due dates, and completing work under stress

Close to a year of experience working at United Technologies: Hamilton Sundstrand division. Titled as a Hydraulic Engineer for Hydraulic Vane and Hydraulic Centrifugal pumps, Gearboxes, and Air Turbine Starters as part of their Aerospace and Defense Division.

Experienced in working in a individual multi-team environment as well as individual with no supervision. Excellent communication talent & skill that have been used and continue to progress while collaborating with suppliers, testing, mechanical operations, engineers, labor floor, and other engineers.

Experienced user of tools such as Pro Engineer, Teamcenter, AutoCAD, MathCAD, Solidworks, MS Excel/PowerPoint/Word and knowledgeable in other software packages such as Matlab, Mechanica, Pspice, Visual C++.

Degree Granting Institution

NORTHERN ILLINOIS UNIVERSITY

DeKalb,IL

Bachelor of Science in Mechanical Engineering

August

Professional Experience

American Plastics Technologies

Schiller Park, IL, **January-Present**

- Worked as a Design Engineer to produce molds and resulting plastic forms
- Utilized previous CAD/CAM experience to advance onto CNC tools and machinery
- High level of one on one customer interaction

United Technologies: HS (Quest-contract)

Rockford, IL

Hydraulic Mechanical Engineer-Aerospace and Defense

April 2010-January

- Work as an Hydraulic Engineer for the F-135 Hydraulic Actuator Dual Vane Pump. Development to Production program. Analyze reoccurring issues to alleviate halts in production and to complete prototype reliability program. *Only* unit on plane to complete rated 5800 hours
- Utilize tools such as MS Powerpoint/Word/Excel, Unigraphics, and Test Data Servers to compile presentations and reports on problems identified, steps taken to solve, and solutions reached
- Collaborate with different system engineers such as Test Equipment, Structure Engineers, and Fluid Engineers as well as successfully communicate with other branch of HS in Connecticut to ensure the right manufacturing processes are being used and to ensure that the proper material, dimensions and specs are being met.

Engineering Intern

Nov 10-March 11, Woodstock-IL

Joe White Millwork

- Utilized previous AutoCAD experience to design wood pieces
- Learned a CNC program to actually produce the parts

Volunteer

Aug 10-Nov 10, Addison-IL

Marathon Repair Shop

- Hands-on automotive repair work
- Enabled me to see connection between theory and practice of engineering on many vehicles

Employment

May 04-Aug 05, Milwaukee-WI

Midway Gas/U-Haul Manager

- Responsible enough at 18 to operate a medium scale business as an individual with no supervision
- Accepted or rejected \$20K (when gas was at \$1.10 gal) fuel deliveries, inventory, \$5K cigarette deliveries (when cigarettes were \$2.35 pack)
- Responsible for \$10K+ in cash

Activities

Entrepreneurs' Club

- Participated in a club that viewed entrepreneurship as an excellent opportunity and choice. Discussed scholarships, future opportunities, opening businesses, patenting, and trademarking. Invited a panel of attorneys with who we had a question and answer session which answered the basic questions that enabled us to ask much more advanced questions

Formula Hybrid SAE Startup

- Participated in the organization that investigated the feasibility of a Hybrid formula team at NIU. Investigated and researched other Hybrid teams, such as taking a tour and question and answer session at Illinois Institute of Technology. Reached conclusions on what worked, costs, and issues that differ from a regular Formula team

Electives

- Automotive Diagnostics, Fundamentals, Electronics, Dynamic Systems and Controls II, Mechatronics, Systems engineering, Reliability Engineering, CAD, Engineering 2 & 3