

JOHN SMITH, E.I.T.

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City, State 00000

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MECHANICAL ENGINEER (in training)

Recently graduated, multidisciplinary Engineer with excellent problem-solving abilities and process-thinking skills seeks hands-on experience within a company that embraces creativity and innovation. Through my studies, I have gained extensive knowledge of thermodynamics and product design, among many other components of Mechanical Engineering. Strong technical and methodical aptitude with an innate ability to analyze problems and devise creative solutions that enhance quality of life. Effective communicator who builds positive, cohesive relationships with all levels of staff, eager to put my extensive studies to practical, applied use.

EDUCATION / CERTIFICATIONS

B.S. Degree, Mechanical Engineering
University Name

Date

Safety Certificates: Confined Space Entry, Fall Protection.

CORE STRENGTHS / TECHNICAL SKILLS

- MatLab
- MathCAD
- Maple
- C++
- Pro Engineer
- Solidworks
- Ansys
- CAD Sketching & Drawing
- 2D, 3D Solid Modeling
- Material Science Analysis
- Microsoft Office Suite
- Safety Regulations
- Energy Conversion; Sources, Flow & Efficiency Forms
- Research, Design & Development of Mechanics
- Design Procedures; Theories of Failure & Material Selection
- Heat Transfer Technologies
- Strong Analytical & Creative Process-Thinking
- Team Leadership & Project Management

WORK HISTORY

Company Name

Date

General Laborer - Machining

- Perform general labor duties for manufacturer of building bolts; cutting and machining of steel; coordinate packing and shipping of steel to distributors. Any other general labor duties as assigned.

Company Name

Date

Sales Manager

- Assisted the store manager with retail store operations; opening, closing, cash management, inventory control, customer complaints, workplace safety, training, and staff scheduling.
- Awarded the highest rating in customer service by company hired to monitor employees' consistent customer service initiatives.

RELEVANT COURSE STUDIES

- Mechanical Engineering:** Strong understanding and experience in a wide variety of Mechanical Engineering disciplines. Extensively researched and studied various components of mechanical engineering through case studies, labs and theory based learning throughout the course of my degree; Concentrated studies included:
 - Studied mechanisms of *heat transfer*; steady and unsteady heat conduction, numerical analysis, thermal radiation, free and forced convection, heat exchanger analysis and heat transfer with change of phase.
 - Studied *thermodynamic principles*; applications to gas compressors, vapour and gas power cycles, heat pump cycles, availability analysis, psychrometrics and combustion analysis.
 - Studied the design and optimization of *thermo-fluid systems*; heating and ventilating equipment and load calculations, system design, piping networks, heat exchanger analysis and design and CAD projects.
 - Studied *primary manufacturing processes* including casting, forming, machining, powdered metallurgy and surface technology, interactions between design, *materials* (metals, polymers, ceramics, composites) and processes.