

David Trent Hughes

14150 Limerick Ln, Tomball, TX, 77375 · (832) 492-7508 · david.hughes.pro@gmail.com

Summary of Qualifications:

Highly driven personality with great attention to detail and a passion for engineering and mechanical design. Great management skills to push employees and projects from inception to commercialization. Prefer to lead my team by example in dedication to doing things right while utilizing the available resources to their full potential.

Experience:

Engineering Manager – Downhole Technology, Inc

July 2016 – Current

Houston, TX

- Patents: dissolving material(US20180142096A1), hybrid sleeve (US20180038191A1), ...
- Managed \$200,000+ monthly budget for Engineering and R&D departments, simultaneously designing R&D products.
- Developed project timelines, budgets, and scopes for both Engineering and R&D departments using MS Projects.
- Coordinated interdepartmental meetings between Engineering, R&D, Sales, and Production departments.
- Managed the task of bringing the induction heat treating process in-house, \$750,000+ project.
- Coordinated the vetting, investigation, and qualification of new fiberglass raw material and vendor.
- General duties: engineering budget, R&D budget, employee management, raises, employee evaluations, new hires, interns, project delegation, project purchases, MRB meetings, (NCR) non-conformance report review, product spec sheets, created and updated procedures, project lead, answer field technical questions, monthly and quarterly reports.

Design and Technology Manager - Electro-Mechanical Industries Inc. (EMI)

May 2014 – July 2016

Houston, TX

- Managed the Engineering Department of 6 employees: 1 onsite engineer, 1 offsite engineer, 2 designers, and 2 draftsmen.
- Conducted employee evaluations, developed metrics for performance and accountability
- Worked with manufacturing to ensure proper documentation and procedures for products
- Maintained the engineering group's certification of ISO 9001
- Conducted root cause analysis of any problems that occur and proper documentation to meet ISO standards.
- Acquired and set up new partnerships with 2 large new clients/customers.
- ASME Pressure Vessel Stamp, Headed new pressure vessel separator design.
- Created QC and Operational procedures

Project Engineer - Innovation Technology Machinery

January 2013 - May 2014

Schertz, TX

- Engineered solutions to numerous projects that required tight tolerances for machine design.
- Completed over 30 projects on time and within budget, 2-9 month deadlines and \$2K-\$500K in overall CAPEX.
- Oversaw project engineering, budget, timeline, milestones, quality control, and customer concerns.
- Improved manufacturing costs 15% by simplifying complex components for testing machine.
- Manage 20-500+ components through manufacturing, and assembly stages.
- Create detailed spreadsheets; including PO's, invoices, vendors, team member tasks and calculations.
- Integrate packaging and shipping design into equipment for efficient installation and handling.

Project Engineer, R&D - Downhole Holdings

Oct 2011 - Dec. 2012

Houston, TX

Office Clerk - DSILLC - Tomball, TX

Summer 2012

Machinist / Lab Tech. - Stardust Machining - Houston, TX

Summer 2011, Winter 2011

Education:

The University of Texas at San Antonio; B.S. Mechanical Engineering

Graduated: December 2012

Project Management Fundamentals Class - Presented by SAMA,

August 2013

Certified SOLIDWORKS Professional (Cert No. C-MSCKJTRXJ3) - by SOLIDWORKS

January 2016

Organizations:

SASUG -- 2013 Vice President; Toastmasters -- 2013-2014; FSAE -- 2010-2012

Core Competency:

SOLIDWORKS * Microsoft Office * Microsoft Projects * Lab View * Problem Solving * Team Management * Engineering * Project Management * Project Scope * Cost Control * Quality Control * Simulation * FEA * Renders.