

JAMES T. RUBECK II

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253-259-5076

Specific Qualifications:

Ability to communicate effectively both orally and in writing, Solidworks, Pro/ENGINEER, CREO 5.0, **AutoCAD**, Rhino, static & dynamic FEA using Mechanical, Ansys workbench & CREO Simulate, GD&T, data base management using Windchill, Citrix & TeamCenter, D & P FMEA, DFX (manufacture, assembly), Mechanical problem solving, manufacturing, attention to detail, project planning and management, troubleshooting, hardware testing, technical writing, auditing & editing, quality control, user training and technical support.

Experience:

Mechanical Engineer – Aerojet Rocketdyne, Canoga Park, CA, up to 45 hours/week 09/2021 to present
Lead engineer on a classified contract requiring CREO 5 and the ability to produce results under challenging conditions. Championing all aspects of design engineering: creativity, organization, tenacity, focus, and above all, flexibility.

Senior Design Engineer – Norgren GT Development, Auburn, WA, up to 70 hours/week 04/2013 to 10/2014
Lead engineer on an OEM commercial vehicle project – pneumatic turbo control design using CREO 2.0 and Simulate. Completed project to just short of sign-off, on-time and under budget. Daily interface with machine shop and lab to develop timely, successful design releases. Supporting duties included production engineering, project management and training.

Mechanical Engineer, JM Martinac Shipbuilding Corporation, Tacoma, WA, up to 50 hours/week 11/2008 to 10/2009
Sole staff mechanical engineer with responsibility of specification and design of all shipboard piping, pumping, and cooling systems using **AutoCAD** and Rhino. Worked with shop leads to facilitate successful and timely releases.

Senior Design Engineer, Cummins Engine Company, Columbus, IN 01/2007 to 06/2007, 05/2008 to 10/2008
Plan the design and prototype of castings, sheet-metal and piping/hose to support current and new engine platforms, including fuel systems, controls, air handling, filtration, emission solutions, and electrical power generation systems.

Design Engineer, Cummins Engine Company, Columbus, IN, up to 65 hours/week 06/2003 to 04/2006
Design lead on numerous innovative designs including the revising of a water-cooled heat shield resulting in more than \$500K of annual savings.

Education:

Purdue University
West Lafayette, IN

GPA: 3.1

Bachelor's Degree: Mechanical Engineering Technology
Completion Date: 08/2002

Additional Information:

E-qip investigation underway for Secret clearance

Military Experience:

Electronic Technician, United States Marine Corps, 1/1988 to 12/1993, Honorable Discharge
Serviced a variety of computer software and communication equipment, down to component level, deemed critical for ongoing field communication. Trained in soldering to meet NASA specifications. Awarded the National Defense Service Medal and Meritorious Unit Commendation.