From the desk of

MARK BEELER

address
1550 N. Fort Valley Rd.
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Flagstaff, AZ 86001

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Experience

Student Technical Intern, Northrop Grumman Aerospace Plant 42, Palmdale, California
Summer 2011
Liaison Engineering Intern, to the F-35 production line. responsible for creating a searchable database used to accelerate production cycle for engineering dispositions. Using CATIA V5, MES, and Microsoft Access. While working side by side with the production line and manufacturing.

Student Technical Intern, Northrop Grumman Aerospace Plant 42, Palmdale, California
Summer 2010
Liaison Engineering Intern, to the F-35 production line. Observed liaison engineers and worked on manufacturing defects during the production cycle of the F-35. Learning CATIA V5 and MES production tools.

Student Grader, NAU Engineering Flagstaff, AZ. 2011
Grade students papers and homework assignments for ME-291 Thermodynamics I for professors Dr. Brent Nelson and Dr Peter Vadasz.

Senior Design Project, Raytheon Missile Systems, NAU Engineering Flagstaff, AZ 2012
Design and validate a drag inducing control surface for flight termination of a missile system. In charge of the CFD analysis tools to gather design parameters for the loading of the panel. Design the actuating mechanism to open the panel and lock it open using four bar mechanical linkage synthesis. Along with integrating with the design team to make sure factors of safety and our predicted landing zone requirements were meet.

Education
Northern Arizona University, Flagstaff, AZ. Dec 2012.

BSE in Mechanical Engineering

Classes focusing in Manufacturing, and Solid Mechanics including Composites Material Mechanics.

All Major Coursework completed sans, ME 495, Experimental Methods in Thermo-Fluids and ME 450, Heat Transfer.

Skills
Proficient in both Catia V5 and Solidworks 2011, along with the CAM Works, Motion, Flow Simulation and COSMOS add ins.

MATLAB Programing, and SIMULINK dynamic analysis tools.

Know how to work MiIG, TIG and Stick welding along with lathe and mill operation.

GCode for CNC operations, both in polar and rectangular coordinates

Microsoft Office including, Powerpoint, Word, Excel and Access.

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Referrals

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