

ROBERT SMITH

Asst. Tool Designer

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Designer, CADD, engineering and tooling, mechanical Manufacturing/Tool Engineer, Sr. Tool Design Engineer Planner, Tool & Assembly, machine parts. Experienced in aircraft, e/o/m, pcb manufacturing, tooling, fabrication, assembly.

EXPERIENCE

Asst. Tool Designer

ABC Corporation - 2006 - 2007

- Performed Failure Mode and Effects Analysis (FMEA), Process Failure Mode and Effects Analysis (PFMEA) and Process Simulation (FEA) using Pam-Stamp 2G.
- Transformed digitized information from cmm machine into detailed 2D drawings and 3D solids for nc machining.
- Programmed 5 Axis Mazak laser machine for Production Parts, prototype parts and Blank developments using Spacegear Software.
- Designed and 3D modeled automotive assembly weld lines, fixtures, and end effectors.
- Successfully designed wing box fiber placement mandrel, upper and lower wing skin portion.
- Successfully designed fiber placement mandrel for nacelle portion.
- Successfully designed cure mandrel for the nacelle portion.

Tool Designer

Delta Corporation - 1998 - 2001

- Then produced layout and detail blueprints for assembly and machining.
- Other responsibilities include writing B.O.M.s, design changes, and drawing revisions.
- Software used AutoCAD and Mechanical Desktop.
- Duties same as previous ATK 2003-2005 employment.
- Directly involved with tool design for Joint Strike Fighter (F-35 CV variant) Production Articles.
- Designed and developed tooling to manufacture composite product components and structures.
- Designs include layouts for composite molds and fiber placement lay-ups, machining, metal forming, welding, assembly, and materials handling.

EDUCATION

- BS in Design Engineering Technology - (Weber State University - Ogden,

UT)

SKILLS

Autocad, 3D Solid Modeling, Blueprint Reading With GDT, CMM Report Interpretation, CAD/CAM Software, Programming CNC.