

Edgar J. Bolton  
Newton, NH  
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### **Summary**

Mechanical Engineering, especially design, in manufacturing environments spanning several industries. Experienced in Solidworks, Pro/E, AutoCAD/Mechanical Desktop, and other systems. Also experienced with FEA and CFD analysis.

### **Specialties**

Highly proficient CAD user, well versed in many manufacturing processes.

### **Experience**

#### **2006 - Present**

Mechanical Engineer, PDSG, Azonix Corporation. Manufacturer of ruggedized computers and displays for hazardous environment, military vehicle, and other difficult applications. Responsibility: Mechanical design and manufacturability for products.

#### **1997 - 2006 (9 years)**

Mechanical Engineer, Henschel Inc. Manufacturer of electronic equipment for Navy applications. Responsibility: Mechanical design to meet MIL-S-910 (shock), MIL-STD-167 (vibration), MIL-STD-461 (EMI), etc.

#### **1992 - 1997 (5 years)**

Other mechanical engineering design positions at manufacturing companies of shorter durations.

Anchor/Darling Enterprises- 1/4 turn high pressure/high temperature valves for water and steam service in power plants, especially nuclear.

Synex/Dynisco- Screen changers used in plastics processing, especially recycling. These are manual, electric, and hydraulic machines integrated into extrusion, blown film, and other lines to filter debris from very high pressure and temperature molten plastic.

Environamics- Mechanical face seals and hermetically sealed centrifugal pumps for highly dangerous process chemicals.

#### **1987 - 1992 (5 years)**

Engineer, A.W. Chesterton, Mechanical Seal Division. Manufacturer of mechanical face seals for centrifugal pumps and other industrial equipment.

#### **1980 - 1987 (7 years)**

Engineer Atwood and Morrill Company. Now Weir Valve. Manufacturer of high pressure/high temperature valves, including gates, globes, and checks, mainly for water and steam applications in power plants, including nuclear. Mechanical design to B16.34, B16.5, ASME BPVC, etc.

### **Education**

Rensselaer Polytechnic Institute, Troy, NY 1980 B.S Mechanical Engineering.  
Dartmouth, Massachusetts public schools through High School.

### **Other:**

Licensed Professional Engineer, State of New Hampshire, current.  
Registered Professional Engineer, State of Massachusetts, expired.  
Held DOD Confidential clearance while at Henschel.