

**JON ERIK KNABENSCHUH**

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**CAREER OBJECTIVE**

A position as a mechanical cad designer/drafter with emphasis on consumer products and prototypes, design and fabrication, or mechanical and tool design.

**SKILLS SUMMARY PROFILE**

I am trained in the use of acrylic, plexiglas, styrene sheets, polyurethane resin and foam, fiberglass, vacuum forming, proper painting techniques in various mediums, sculpting in clay, wax, and polyester body filler. Working knowledge of shop tools including table saw, jigsaw, Dremel, drill press, lathe, MX2 and MX3 milling machines, and various sanding equipment.

**COMPUTER SKILLS**

PC-based computers utilizing Windows XP, Solidworks 2004-2006 with emphasis on sheet metal design and PDM Works, Ulead Video Editing Software, Microsoft Excel, Photoshop, and Microsoft Word.

**EDUCATION**

June 1998                      Art Institute of Pittsburgh, Pittsburgh, PA  
Associate Degree in Specialized Technology,  
majoring in Industrial Design Technology  
~Prototyping  
~Presentation Modelmaking  
~Advanced Modelmaking  
~Movie Miniature Models  
~Dean's List - 4 out of 8 Quarters  
~Perfect Attendance

June 1995                      Elizabeth Forward High School, Elizabeth, PA  
~General Drafting  
~Mechanical Drawing  
~Engineering Drawing  
~Manufacturing Construction Technology

**WORK EXPERIENCE**

Jan. 2005 – Present                      **Linux Networx,**  
Solidworks Drafter/Designer/CAD Manager, Bluffdale, UT  
~Solidworks 2005-2006  
~ANSI Drafting Standards  
~PDMWorks Administrator

Linux Position Summary: Assist mechanical engineering staff by providing complete, accurate, and legible drawing packages for all of the major products following ANSI standards. As CAD manager I manage eight users and licenses with all Solidworks issues, fixes, and upgrades. I also helped develop a part numbering system and ECO/ECR process that everyone in the company uses.

July 2004 – Dec. 2004

**Megadyne Medical Products,**

~Solidworks Drafter / Designer, Draper, UT

~Solidworks 2004-2005

~AutoCAD Mechanical Desktop

~ANSI Drafting Standards

~ULEAD Video Editing Software

Megadyne Position Summary: Assist engineering staff by providing complete and accurate drawings using Solidworks and AutoCAD skills. I also provided the staff with animated assembly instructions for the manufacturing department utilizing Solidworks animator and Ulead video editing software. Supported engineering with Solidworks issues when incorporating Solidworks into the company standards.

Jan.2004 – June 2004   **Intest Corporation,**

Solidworks Drafter / Designer, Cherry Hill, NJ

~Solidworks 2004

~AutoCAD 2000

~ANSI Drafting Standards

~Adept (file management software)

Intest Position Summary: Prepared clear, complete, and accurate working plans and detail drawings from rough or detailed sketches or notes. This position required mechanical product design, Solidworks and AutoCAD skills. I worked closely with engineering staff to revise existing drawings or to create new drawing files. Supported engineering staff by providing a Solidworks “how to” guide that incorporated the company standards.

Sept. 1998 – Jan. 2000   **Paramount Industries Incorporated,**

Modelmaker, Langhorne, PA

~Lathe Machining

~MX2, MX3 and conventional milling

~Parting Line setups

~Tooling Patterns

~Solidworks 2001 Certified

~Certified SLA System Operator

Paramount Industries Position Summary: Provided complete 3D working prototype models per the customer’s request and material suggestion. Assembled and built mechanical assemblies for toy, medical, and military industries ranging from gear boxes to motion mechanisms. I extensively used SLA equipment to provide the model shop with complete accurate 3D models. I also was in charge of maintaining and cleaning the equipment when not in use.

**REFERENCES**

Christopher Bailey

Solidworks Designer, Princeton Tec

609-298-9331 ext.129 (work)

215-826-0444 (home)

Evans Griego

Industrial Design Engineer, Linux Networx

801-649-1296 (work)

720-312-1955 (cell)

Rick Eastwood

R.J.B. Industries, Owner

801-721-4340 (cell)

801-773-8390 (company)

**PORTFOLIO AVAILABLE UPON REQUEST**