

# Brian Brown

## **Manufacturing Engineer**

Chambersburg, PA 17202

[blbrown1587@comcast.net](mailto:blbrown1587@comcast.net)

(717) 709-0368

Cad/Cam system are my specialty

Willing to relocate to: Colorado - Western Pennsylvania - Alaska

Authorized to work in the US for any employer

## Work Experience

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### **Manufacturing Engineer**

T.B. Woods - Chambersburg, PA

Duties: Programming VTL's, Horizontal Lathes, VMC's , specifying cutting tools, processes in a Grey Iron Foundry, Purchasing Capital Equipment, and Programming CMM's.

### **Applications Engineer**

Cimquest - Harrisburg, PA

Duties: Instructing , demonstrating Mastercam, Telephone Technical Support. Setting up Wireless networks, either building new wireless networks of tying into an existing networks. Configuring DLink Switches , linksys switches, Moxa network bridges, Qualcomm wireless antennas, Cimco bar code readers, and tied them to CNC controls.We would utilize and configure any and all customer's hardware for the installations. Troubleshooting Customers needs, both software and networks , which also includes entire system setups.

Applications Engineer, Fisher Unitech

479 Port View Drive, Harrisburg, PA 17111

December 2017 to August 2017 ( Cimquest purchased the Mastercam Product line from Fisher Unitech)

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### **Applications Engineer**

Swoosh Technologies - Chesterfield, MO

Duties: Instructing , demonstrating Siemens NX, Telephone Technical Support, creating custom post processors, Pre-sales Support, creating training manuals. Troubleshooting Customers needs, both software and networks to include many network problems.

## **Systems Engineer**

Volvo Construction Equipment - Shippensburg, PA

Duties: Creating Best Practice techniques for manufacturing engineering department for use of various software packages. Installation , configuration and support to all manufacturing systems, which include post processor development, systems administration utilizing the following systems: Faro CAM2Q, Faro CAM2X, Metrolog, Esprit 2010, Windchill V8.0, Windchill V9.1, Wildfire II, Wildfire IV, Wildfire V, CREO, CREO I , CREO II, CREO III, Unigraphics V18, Unigraphics NX5, Unigraphics NX6, Unigraphics NX7, Unigraphics NX7.5, Optimization, LMS Virtual Lab, LMS TestI Lab, ANSYS, Matlab, FEMAP, NEI Nastran, NX Nastran, MathCad, ICAM V18.0, SAP, Mastercam X3 , Mastercam X4 , X5, X6, X7, Vericut 6.2 , and Vericut 7.0. Installation , configuration and support of all systems for the manufacturing department at the Shippensburg facility to include Servers running Microsoft server 2003 and 2008 , Desktops utilizing Windows 7, and XP64 bit, Laptops, and peripherals. I setup and installed Virtual Server utilizing VMware for all of license server applications. I setup the VPN so the Manufacturing Engineers and the Manufacturing Management team could remotely access their data. I was constantly adding adding peripherals to the network as required, such as wired printers, wireless printers, plotters, Moxa bridges, Cisco Switches and Routers, repeaters for the wireless, wireless bar code scanner for the for lift operators, welders, and shippers requirements. The bridges would transfer the data from the wireless to RS232. I would constantly configure new peripherals for both the wired and wireless environments. I would add users and set the appropriate permissions in Microsoft's active directory. I would set our backup systems as needed. I would specify and coordinate with Vendor's as my schedule or need required. I would be the first line of support for the Manufacturing Management Staff when it came to troubleshoot their issues with both hardware and software issues. I tied Windows Activity Directory to Teamcenter to eliminate the users having multiple logins. I would get my instructions on how things should be configured from VolvoIT in Greensboro, Creating Documentation both on the systems configuration and user instruction formats. Troubleshooting connectivity issues of all peripherals connected to our network. Managing the OTD servers and networks for all the manufacturing management staff.

First line of technical support for all manufacturing IT question.

## **Partner**

C'S Sportsmen's Warehouse LTD - Chambersburg, PA  
17201

Hunting / Fishing Store - Guiding, Stocking , Buying, Pricing, Marketing, Advertising, Operating and anything that was needed to operator a retail store.

Salaries:

Cimquest

starting salary - \$80,000

ending salary - \$80,000

Fisher Unitech

starting salary - \$80,000

ending salary - \$80,000

T.B. Woods  
starting salary - \$77,000  
ending salary - \$80,000

Swoosh Technologies  
starting salary - \$84,000  
ending salary - \$84,000

### **Manufacturing Engineer**

Tyco Electronics - Waynesboro, PA

Created routines, Tool and fixture design, CNC programming small parts +/-0.0002 tolerance daily.  
Machines programmed VTC,UNC, and wire edms.

### **Manufacturing Engineer**

D.L. Martin - Mercersburg, PA

Programming up to 5 axis milling machines, programming CMM.  
purchasing perishable tooling

## Education

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Chambersburg Area Senior High School - Chambersburg, PA

Vo-Tech Program

### **Vocational in Machine Shop**

Franklin County Area Vocational Technical School - Chambersburg, PA

### **Associate in Mechanical Engineering**

Hagerstown Junior College - Hagerstown, MD

## Skills

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MASTERCAM, ENGINEER, Cnc programming, Unigraphics/NX, Solid Modeling, ProEngineer, Cmm programming, Autodesk Inventor, CAD, Solidworks, Autocad

## Awards

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### **top 10 contributors aead**

given to top 10% most valued employees in the Tyco Electronics Corporation

## Certifications/Licenses

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### **Lean Six Sigma Yellow Belt**

Tyco requirements

### **Lean Six Sigma Green Belt**

Completed while at Volvo

## Additional Information

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### Pertinent Skills:

#### Drafting Experience:

Junior High School, Franklin County Vo.-Tech, engineering graphics, and Metfab Industries, as well as manual drafting at Jamison Door Company.

#### CAD experience:

UNIGRAPHICS V14,V15,V16 V17,V18, NX5, NX6, NX7, NX8 & NX8.5 ,NX9.0FactoryCAD , AUTOCAD Release 10, 11, 12,13, 2000,2004, & 2008; CADKEY, CADAM,CADKEY LIGHT, PRIME MEDUSA, PRO-ENGINEER 2000I ,2000I2, 2001, Wildfire, Wildfire II , Wildfire III .Wildfire IV, & Wildfire V , CREO, CREO I , CREO II, CREO III, ME10, Solid Designer, Catia V5, and SOLIDWORKS '97 , '98,2012 , 2013 & 2014.

PDM experience: TeamCenter,Windchill 8.0, Windchill 9.1, Smarteam, & Intralink

#### CAM experience:

Esprit 2010, UNIGRAPHICS V14,V15,V16,V17,V18, NX5, NX6, NX7 ,NX7.5, NX8.0, NX8.5, & NX9.0 , HIPRO, ICAM V17 & V18,Optimation,Merry Mechanization, Mastercam X3,X4,X5, X6 , X7, & X8 ,SmartCAM, Metal Soft, Expedite, Synergy, Nicam IV, Vericut 6.2, Vericut 7.0 and Prippet, PRO-MANUFACTURING 2000I ,2000I2, 2001, Wildfire, Wildfire II , Wildfire III , Wildfire IV,Wildfire V, CREO, CREO I , CREO II, CREO III, Vericut 6.0 , Vericut 7.01 & Vericut 7.03.

#### FEA Experience:

ANSYS V11.0 , ANSYS V12.0, ANSYS V13.0, MATLAB, NEI Nastran, NX Nastran , LMS Virtual Lab, LMS Testl Lab, FEMAP, and Hyperworks.

#### Server Experience:

Microsoft Server 2000 (2 Years 6 Months) ,2003 & 2008(4 Years 2 Months), Hp Unix Servers(2 Years 6 Months)

#### Hardware Experience:

Dell Servers , HP Servers, Dell Desktops, HP Desktops, HP Laptops, Dell Laptops and other miscellaneous brand equipment. ( +)

#### Peripheral Devices:

HP Printers, HP Plotter, Faro Arm, Romer Arms, Canon Printers, bar code scanners, Cisco Routers, Linksys Routers, Moxa Network Bridges ,and other miscellaneous devices. (4 Years 2 Months)

#### Software Packages:

Installed, configuring and utilization: Microsoft Office, Microsoft Project, Lotus Notes, PC-Demis, Mini-Tab, various license server packages, and other miscellaneous packages. (20 Years +), VMware.

#### Machine Shop:

Franklin Co Vo.-Tech, Jerr-Dan Corporation, T.H.Industries, and Wasik's Machine Shop.

Machines: engine lathe, horizontal & vertical milling machines, surface grinders, turret lathe, automatic screw machines, CNC lathe, CNC mill, and hydraulic press machine.