

Ralph Wm. Moore (Bill)
23305 S.W. Mountain Creek Road
Sherwood, Oregon 97140
Phone: 503.628.3226
E-Mail: Silver.Canislupus@Frontier.Com

BUSINESS EXPERIENCE:

Design Ready Controls

25999 S.W Canyon
Creek Road
Wilsonville, OR 97013

August 2015 –
Present

Quality Control Inspector / Control Panel Test Technician: Perform quality assurance and inspection on control panels before shipping to clients. Perform electrical functionality testing on control panels per documentation. Assist in establishing and implementing work practices. Perform programming of control boards and VFD drives/loading of PLC programs. Perform Low and High Voltage wiring as needed. Inspection of electrical control panels per schematic / BOM. Identify opportunities for improvement based on inspection and test results. Verification of software.

Control Techniques

381 S. Redwood St.
Canby, OR 97013

April 2015 -
June 2015

Field Service Technician: Perform service on control panels at customer sites as well as PLC programming on panels in the shop. Responsible for customer service and repair of custom electric motor control panels. Basic programming of PLC's and HMI's. (Mainly Allen Bradley) Programming of all variable frequency drives, inputting parameters to meet client's needs. Testing troubleshooting and repair of variable frequency drives, and solid state reduced voltage starters. Perform all start up testing and programming of newly built control panels prior to shipment to clients.

DW Fritz Automation

27200 S.W. Parkway
Ave.
Wilsonville, OR 97070

February 2014 -
July 2014

Automation Application Technician: Worked with the engineering development team in the electrical and electronic assembly, test and debug of custom robotic systems. Tested to make sure that machinery has the capability to carry out desired functions. Assembled, troubleshoots and tests industrial PC computer time estimates to complete projects. Tests alternative techniques and methods; recommends changes in procedures or equipment as necessary. Directed electrical work done by technicians and contract personnel within project teams when assigned. Stayed current with applicable industry, automation and manufacturing technologies. Industrial control system fabrication, installation, trouble shooting. PLC understanding and familiarity to make program changes as directed. Supervises C.E. testing, recommends solutions and implements changes to assure C.E. conformance. Provided general assistance in the installation, training, and repair of product at customer's Shen Zhen, China facility.

Retail Imaging Management Group

1201 SE Tech Center
Dr, Suite 190
Vancouver, WA 98683

January 2010 -
September 2013

Photolab Subject Matter Expert / Specialist: Training of all field technicians going into the field to service Sam's Club Account. Provide escalation support to Tier 2 representatives. Take initial calls for select Accounts. Perform advanced troubleshooting of digital kiosks and dry lab photo equipment as well as Rimage media burning systems. Troubleshoot wet lab systems including chemistry, hardware, and software. Troubleshoot networking issues including: physical set up of networking components, routing over local and wide area networks, and network settings issues in the OS. Create process documents and wiki articles to document new as well as existing issues and processes. Create training modules and train fellow techs on new equipment, software, and processes. Provide Field support primarily in the Portland area but also in more remote locations as required by our Accounts. Communicate in a professional manner with representatives from our Accounts as necessary. Advanced knowledge of networking hardware.

CES Corporation LLC

PO Box 203
Tabernash, CO 80478

July 2005 -
January 2010

Technical Services Representative: Break / Fix repairs on all aspects of Fuji film mini lab photo processing equipment. Region covered required heavy travel. Equipment repairs include printer models: Frontier LP / SP 500 Series, 400DL Series, 390, 375, 370, 350, 340, 330, and SFA Series. Troubleshooting and repairs on Fuji PG series printers. Film Processors: FP-350, 363, 563, and 922. IBM Aladdin Digital Photo Centers, Fuji P.I.C. (IBM Xeon, 2-ax / 4-ax Servers). PC Hardware / Software troubleshooting including aspects of A+. Networking all equipment together to create a total communications hub. Clients include: Bi-Mart, Costco, Fred Meyers, Longs, Ritz Camera, Walgreen's, Wal-Mart, and multiple independent photo labs. Any and all Network troubleshooting

BEF Corporation

1670 East Race Street
Allentown, PA 18109

May 2003 -
July 2005

Field Service Technician: Break / Fix repairs on all aspects of Fuji film mini lab photo processing equipment. Region covered requires heavy travel. Equipment repairs include printer models: Frontier LP / SP 390, 375, 370, 350, 330, and SFA Series. Troubleshooting and repairs on Fuji PG series printers. Film Processors: FP-350, 363, 563, and 922. IBM Aladdin Digital Photo Centers, Fuji P.I.C. (IBM Xeon, 2-ax / 4-ax Servers). Networking all equipment together to create a total communications hub. Clients include: Bi-Mart, Costco, Fred Meyers, Longs, Ritz Camera, Walgreen's, Wal-Mart, and multiple independent photo labs.

Daitron, Inc.
27520 SW 95th
Avenue
Wilsonville, OR 97070

September 2000 -
June 2002

Field Service Engineer: Install, test, troubleshoot, and repair, electromechanical equipment, automated optical inspection equipment, grinding machines, polishing machines, and other capitol equipment sold by Daitron Inc. Traveled to suburban Tokyo, Japan two times for formal Factory Training on various semi-conductor processing machines. This included training on Fujikoshi Automated Polishers, Emtech Edge Grinders, Kosaka Visual Inspection Equipment, Nidek Automated Visual Inspection equipment, and Saito Seiki Grinding / Notching machines.

NIKE, Inc.
One Bowerman Drive
Beaverton, OR 97008

August 1998 -
January 2000

Contract / Virtual Corporation: Lead Project Engineer Contracted to assess, evaluate, and document, risks associated with Y2K Embedded Chips in manufacturing systems. This process included in-depth analysis of machinery configurations, and component structure within the working Nike manufacturing environment. Investigated degrees of exposure to date and logic-related problems in four critical multi-million dollar manufacturing sites. Contingency planned and presented to management detailed strategic reports to assure continued production

Crucible Magnetics Corp.
101 Magnet Drive
Elizabethtown, KY
42701

Project Manager / Ferrite Technology Engineer: Managed \$500K+ in Capitol Improvement Projects. S.P.C. Analysis. Re engineered production floor areas to realize cost reductions, and increase product flow. Conceptualized, designed & implemented automated controls, of continuous Ultraviolet cure system, which reduced production costs, realizing reductions in excess labor hours. I have managed two ISO 9002 audits, and have documented ISO 9002 operations procedures for all of my projects

August 1995 -
August 1998

Roll-Lite Overhead Door Corp.
(A Division of Mascotech)
10407 Rocket Blvd.
Orlando, FL 32824

Production / Manufacturing Engineering, Project Management: Initiated Methods & Process development theology and Electromechanical production machine design. Conceptualized, designed, engineered, and implemented door fabrication and assembly machinery on the production floor. Cost reductions realized due to the automated production equipment projects. Process improvements with automated re-design of the "Raised Panel" production line, tripled production, eliminated 2nd shift, lowering cost and increasing margins. Equipment layout including conveyors, Allen Bradley P.L.C. 5 programming, jigs and fixturing, process, design, and fabrication. Design and modifications on Progressive Stamping Die sets for "stiles" on doors. All design conception done with Autocad. Tracking department & project labor with Microsoft Suite / Word, Excel, Powerpoint, etc.

December 1991 -
August 1995

Universal Studios Florida
1000 Universal Studios
Plaza
Orlando, FL 32819

Automation Engineering Tech: Troubleshooting all phases of electromechanical problems on various motion systems, during startup and debug. Extensive training and experience on Flight Simulators on the "Back to the Future" attraction, an 1,100 horsepower, 11 pump, 2400 p.s.i., closed loop hydraulic servo system, with 24 motion bases. "Jaws" attraction, underwater troubleshooting & debugging experience, also a hydraulic servo system. "Earthquake" attraction, A very unique combination of Electro / Hydraulic systems interfaced with multiple Allen Bradley PLC-5 Controllers

July 1990 -
December 1991

Regal Marine Industries
2300 Jetport Drive
Orlando, FL 32809

Industrial Process Engineering: Troubleshooting Thermwood CNC Routers in Orlando, FL and Smithville TN Plants. CAD/CAM programming. (Autocad & Microstation) Design and development of new dust collection system on the router. Production and process improvements cut router bit usage by 65%. Methods and process development, through implementation on the production floor. Time studies for costing and cost reduction analysis. Spreadsheets for daily J.I.T. scheduling using Lotus-123.

December 1988 -
June 1990

Thermwood Corporation
P.O. Box 436
Dale, IN 47523

Applications Engineer: Set up and programming of customer demonstrations on Cartesian CNC Routers. Programs utilized a minimum of 3 axis and up to 7 axis motions. Utilizing Autocad, translation of drawings to machine language using T-CAM III, Thermwood's latest CAD/CAM system. Demonstrations included selection, purchasing, and use of various router bits and shaper blades, also, Ingersoll Rand waterjet cutting systems. Experimental test cutting to determine cost reductions, feasibility, time studies and feed rates on hard, and soft woods, plastic and varieties of exotic materials, including Graphite, Nomex, and Kevlar. Troubleshooting all problems encountered while setting up demonstrations for clients

May 1987 -
December 1988

Accuratio Systems Inc.
1635 Production Road
Jeffersonville, IN
47130

Robotics Electrician / Technician: Start-up and troubleshooting machine circuits. Allen Bradley motion control 8200 / 8400 P.L.C. set-up and programming. Machine and panel wiring including, 460 volt 3 phase, 220 and 110 volt A.C. power circuits, 70 volt D.C. power with some schematic work. Working directly from hydraulic, pneumatic, and electrical blueprints. Interfacing machines with, Flow Systems Waterjet, Nordson hot melt glue dispensing systems, General Motors, epoxy and silicone dispensing

systems.

April 1984 / May 1987

Education / Training:

Graduated from Ferndale High School - Ferndale, Michigan

Oakland Community College - Auburn Hills, Michigan / Studied Applied Technology Robotics:

Curriculum included:

Robot operation, programming, and robots in automated manufacturing. CAD/CAM and robot control, flexible manufacturing and work cell development. Manufacturing processes, hydraulic and electrical closed-loop servo systems, automatic lubrication systems.

Troubleshooting techniques with emphasis on: electronic, pneumatic, hydraulic, electromechanical, and servo-mechanical components, electrical power and devices, microprocessors, instrumentation and controls.

Military: US Navy / Operations Specialist Honorable Conditions Discharge

Technical Training:

Factory Training on Fujikoshi Wafer Polishers, Nagano, Japan, Emtech Edge Grinding Equipment, Hachioji'shi Japan, Kosaka Laboratory Ltd. Inspection Machines, Chiyoda-Ku, Tokyo, Japan, Nidek Visual Inspection Workstations, Gamagori, Japan, Saito Seiki Ingot Grinding / Notching Machine, Machida, Japan.

Allen Bradley - P.L.C Systems, Design and Programming Courses Tampa Florida

Applied Problem Solving Techniques Masco Corporation Orlando, Florida

Cubiq - P.L.C. Systems, Design and Programming Course Louisville, Kentucky

North American Manufacturing Co. - Kilns & Combustion Courses Nashville, Tennessee

Elizabethtown Community College - Statistical Process Control, Quality Interpersonal Communications, and Performance Management. Elizabethtown, Kentucky