

Michael D. Cvetanovich

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SUMMARY

Accomplished Engineer (Test and Manufacturing), with a track record of successful development efforts for product manufacturing and delivery; Experienced in factory testing development, related procedural documentation, supporting and directing the floor test team within the precision manufacturing, aerospace, high-tech, automated industries. Skilled in variety of engineering environments with the capacities to manage multiple tasks, work with numerous design and development teams and maintain production schedules.

Expertise in:

- Test and Manuf. Engineering
- Trainer for IPC certification
- Product Development/Management
- Technical Procedure Writing
- DOE, DOD Regulatory Compliance
- Communication Skills
- Quality Assurance and Control
- ISO, Lean Manufacturing Techniques
- Customer Service and Sales

EMPLOYMENT HISTORY

INDEPENDENT CONTRACTOR/CONSULTANT: Charlottesville, VA Nov. 2011 – Present

Certified Dell Field Service Tech, warranty repair, and sales for Charlottesville and surrounding area.

Charlottesville, VA 2010 – Present

Product development for the Rogue™ eValve Air Rifle now being sold by Crossman; micro-controller programming for menu selector, safety and trigger-timing functions; product testing. Current: in start-up development for a new type of ballistic chronograph system. C Programming, electronic design development using TI's MSP430 micro controller.

NORTHROP GRUMMAN SPERRY MARINE, Charlottesville, VA 2005 – 2010

Test Engineer 2008 – 2010

Developed system requirements for the US Navy's Zumwalt Class Destroyer DDG1000; specifically its Data Acquisition Units and Remote Terminal (I/O) Units using DOORS database requirements management tools, with Raytheon, the senior contractor.

- Developed design verification procedures, and factory test procedures to satisfy each requirement.
- Designed test fixtures, and additionally developed test procedures, and test reports for Naval LHD8 and LHA6 VME base machinery controls systems, including simulation/stimulation of signal IO's using National Instrument's Labview development tools and devices, and Access database, and solved related troubleshooting issues.
- Conducted internal and external customer peer reviews with US Navy, hosting our customer witness testing, and customer adjudications reviews when necessary for our development of related controlled documentation.
- Training by Siemens to use Step 7 Programmable Logic Control (PLC) software to successfully develop test programs for DDG1000 Digital Acquisition Units (DAU) and Remote Terminal Units (RTU) for the ships machinery control systems.

Sr. Process Planner – Promoted to Manufacturing Engineer 2005 – 2008

Created operation instructions and related procedures for wire harness production:

- Developed instruction procedures for production equipment operations and maintenance.
- Evaluated, and improved manufacturing methods, to develop LEAN Manufacturing techniques, utilizing knowledge of product design, materials and parts, fabrication processes, tooling and production equipment capabilities, assembly methods, and quality control standards.
- Utilized AutoCAD LT, trained to use Unigraphics
- Developed/produced several internal video productions for manufacturing instructions & techniques, and corporate Knowledge Transfer.
- Certified IPC Trainer for IPC / WHMA-A-620.

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EC LINC, INC., Charlottesville, VA **2003 – 2005**

(Formerly Electronic Cable & Assemble, Inc.)

Technical Documentation / Writer / Job Estimator

Analyzed and converted customer's technical drawings and specs for cost and production estimates.

- Created Quality Control documents, machine operation procedures and production training, utilizing AutoCAD.

BIOPHILE, INC., Charlottesville, VA **2002 – 2003**

(Startup and spin off company from technology development at the MARC)

Technical Service Help Desk Manager and Product Trainer

- Oversaw development of service desk and field service procedures and documentation.
- Successfully developed and participated in on-site customer product orientation and training usage seminars.

MEDICAL AUTOMATION RESEARCH CENTER University Of Virginia **2000 – 2002**

Research Robotics Technician

Completed development of innovative and patentable technology in the field of lab automation, elder care products, and robotics.

- Coordinated the engineering, planning, proto-type development, including grant and patent application writing.
- Organized and directed clinical research studies conducted with a local elderly population.

OCTAGON, INC., Cincinnati, OH **1999 – 2000** (long-term contracted temporary employment)

Health Physics Instrument Technician

To support the U.S. Department of Energy's Fernald Environmental Management Project. Calibration and repair of on-site radiation survey instrumentation.

NUMANCO, INC., Columbus, OH **1999** (short-term contracted temporary employment)

Health Physics / Radiation Protection Technician

Hired by Numanco, Inc. to support the refueling outages at the North Anna and Surry Power Stations in Virginia.

- Supported refueling outages on a contract basis, including instrument control and calibration, survey radiological areas, setup safety zones, and monitor / maintain work area's radiological limits.

NATIONAL OPTRONICS, INC., Charlottesville, VA **1998 – 1999**

Technical Support Representative

Extensive sales and travel to customer locations for installation and training.

- Installation, training, use and troubleshooting / servicing of all company products.
- Created, developed, and maintained maintenance of the service department Intranet.
- Completed training course work for American Board of Optometry (ABO) certification test.

COMPUTER / TECHNICAL SKILLS

- | | | |
|--------------------------------|-----------------------------|-----------------------------|
| ● Micro-controller Programming | ● Labview and National Inst | ● Failure Analysis |
| ● PLC Ladder Logic | ● Databases, Access, Doors | ● Technical Troubleshooting |
| ● Circuit Design | ● Oscilloscopes | ● VLANS and Networks |
| ● Spectral Analyzers | ● Servo-motor Programming | ● Parallax and PBASIC |
| ● Assembly Language | ● Prototype Engineering | ● Acceptance Testing |

EDUCATION

AAS, Electronic Technology, Piedmont Virginia Community College, Charlottesville, VA

cum laude graduate

Philosophy, Tulsa Junior College, Tulsa, OK

Security Clearance: Reliability Status (RS); Worked with Level 2 documentation (un-restricted, proprietary) DOE and commercial nuclear security clearance