

## **Hayden A. Koflowitch**

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### **QUALIFICATIONS:**

#### **- Certified Journeymen - Electronics Mechanic- United States Department of Labor.**

- Twenty three years of field service/installation experience in the medical industry.
- Highly experienced with Varian linear accelerators, x-ray imaging systems, automated test equipment, PLC's control systems, Kuka robotics, cryogenics, RF, AC/DC motor control, networking, lasers, pneumatics, and hydraulics.
- Proficient with schematics, circuit diagrams, data flow charts, maintenance/service manuals, work instructions, and various diagnostics test equipment.
- Analog and digital component level repair... Strong troubleshooting skills...
- Linux, ATLAS, Basic, VIM, and networking experience.
- High energy team player with a passion for customer satisfaction and quality.

### **EXPERIENCE:**

#### **Wexner Medical Center – The James Cancer Center – Senior Linear Accelerator Engineer 2014 to Present**

- Provide routine and emergency service, system calibration and preventive maintenance for 10 Varian TrueBeams. (3 Long Stands / 7 Slim Stands)

#### **MEVION MEDICAL SYSTEMS - Field Service / Installation Engineer, 2012 to 2014**

- Provided installation and field service support for the S-250 Proton Therapy System  
This system includes the cyclotron, vacuum system, RF, cryogenics system, 6 axis Kuka robotic treatment couch, dual x-ray imaging system, PLC monitoring and control, AC/DC motor control, lasers, power distribution system, and an internal water cooling system.
- Created @30 system interlock troubleshooting guides for field service and installation personnel.
- Developed several robotics calibration, x-ray imaging, laser installation and alignment documents.
- Resolved several manufacturing issues with the system emergency off and the custom applicator module.

#### **ACCELETRONICS INC.- Senior Field Service Engineer, 2011**

- Provided routine and emergency service, technical phone support, periodic maintenance, installation on Varian Linear Accelerators and Theraview Imaging products.

#### **ACCURAY INC.- Field Service Engineer, 2008 -2010.**

- Provided routine and emergency service, technical phone support, system calibration, and periodic maintenance inspections on the Cyberknife Radiosurgery Systems.
- Completed hardware and software upgrades.
- Liaison between customer and product support.
- Assisted PSE with IRIS failure analysis and service mode troubleshooting tools for upcoming s/w rel.
- Developed a field laser alignment and ion chamber replacement procedure reducing the existing maintenance time by 60%-75%.
- Completed administrative duties (field service reports, expense reports, RMA, and spare inventory).
- Trained customers on new features and enhancements to existing features.

#### **FLORIDA HOSPITAL CANCER INSTITUTE – Senior Linear Accelerator Engineer, 1997-2008.**

- Provided routine and emergency service, system calibration, and periodic maintenance inspections on Varian High and Low Energy Linear Accelerators, MLC's, and Portal Visions.
- Installed high and low energy linear accelerators, mlc's and portal visions.
- Installed various physics QA test equipment, computers, lasers assemblies, and audio/video equipment.
- Developed an excel database for monitoring parts usage, service cost, and clinical downtime.
- Site coordinator for system installations and upgrades.

**VARIAN MEDICAL SYSTEMS - Customer Support Engineer, 1993-1997.**

**- Customer Support Representative of the Year 1996 - South Atlantic Service District**

- Provided routine and emergency service, technical phone support, and periodic maintenance inspections on Varian High and Low Energy Linear Accelerators, MLC's and Portal Visions.
- Created the initial design for motion disable system used with the Peacock System at MD Anderson, Orlando.
- Scheduled and completed hardware and software upgrades.
- Managed spare parts inventory.
- Completed all standard administrative duties (field service reports, expense reports, RMA's).

**UNITED STATES NAVY - Aviation Electronic Technician Second Class (E-5), 1987-1993.**

**- National Defense Service Medal, Kuwait Liberation Medal, Southwest Asia Campaign Medal with Bronze Star, Meritorious Unit Commendation Medal, Navy Unit Commendation Medal, Sea Service Ribbon Good Conduct Ribbon, and Letter of Commendation for Outstanding Performance.**

- Provided operation, maintenance, repair, and calibration on Computerized Automated Test Station AN/USM429 (V)1 - CAT-IIID and Hybrid Test Station AN/USM-403 - HATS.
- Responsible for troubleshooting and repairing avionics subsystems used on F-14, E2C, and S3 naval aircraft.
- Resolved several hardware and software issues for testing and troubleshooting E-2C and F-14 weapons systems. These findings created 11 test workaround procedures approved by Grumman Aerospace and incorporated throughout the naval air community.
- Developed a hi-speed software troubleshooting program for the Digital Word Generator (DWG), a programmable 432 bi-directional interface used for testing and troubleshooting over 1000 different naval avionics subassemblies.
- Developed a software troubleshooting program with step by step fault isolation and troubleshooting instructions for troubleshooting E2C Flight System Memory Modules, Navigation, Communication, and Display I/O's test sets.
- Trained junior technicians on ATE theory, electronics theory, advanced troubleshooting techniques, Atlas and Basic computer programming.

**EDUCATION:**

**CIVILIAN:**

2015 - Varian TrueBeam Maintenance TBM102 course.

2014 - Varian TrueBeam Maintenance TBM101 course

1996 - Varian Multileaf Collimator Maintenance course.

1996 - Varian Release 5.208 / KLM (Klystron Linear Mode) course.

1995 - Varian Field Digital Gun Deck / MLC / Portal Vision course.

1993 - Varian C-Series High and Low Energy Linear Accelerator Maintenance course.

1993 - Varian Non-C Delta Linear Accelerator Maintenance course.

2014 - Mevion Cyclotron and Magnet Operator course.

2013 - Mevion Gantry Operator Certification course.

2012 - Kuka College - Programming Course.

2012 - Kuka College - Controller Maintenance Course.

2010 - Accuray 9.0 System Upgrade course.

2009 - Accuray 8.5 System Upgrade course.

2009 - Accuray Cyberknife Field Service Maintenance course.

1989 - Tidewater Community College, Virginia Beach, Virginia

**MILITARY:**

1989 - Navy Electricity and Electronics Training Series.

1988 - CAT-IIID-AN/USM 429(V)1 operator course.

1988 - CAT-IIID-AN/USM 429(V)1 maintenance course.

1987 - Advanced First Term Avionics course (AFTA).

1987 - Avionics class "A" school.

1987 - Basic Electricity and Electronics course.

**Reference:** available upon request.