***QUALIFICATIONS:***

***Hayden A. Koflowitch***

***7221 Skyline Drive East, Apt 104***

***Columbus, Ohio 43235***

***407-617-5669*** [***hkoflowitch@rocketmail.com***](mailto:hkoflowitch@rocketmail.com)

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

*- Twenty two years of field service/installation experience in the medical industry.*

*- Highly experienced with industrial and clinical linear accelerators, x-ray imaging systems, automated test equipment, PLC’s, robotics, cryogenics, RF, patient safety systems, AC/DC motor control, networking, lasers, pneumatics, hydraulics, servo systems, and closed loop cooling systems.*

*- Proficient with schematics, circuit diagrams, data flow charts, maintenance/service manuals, work instructions, and various diagnostics test equipment.*

*- Strong electromechanical troubleshooting skills…*

*- Analog and digital component level repair.*

*- Linux, ATLAS, Basic, VIM, Dicom and networking experience.*

*- High energy team player with a passion for customer satisfaction and quality.*

***EXPERIENCE:***

***OHIO STATE UNIVERSITY –James Cancer Center – Linear Accelerator Engineer 2014 to Present***

*- Provide routine and emergency service, system calibration and preventive maintenance for 9 Varian TrueBeams.*

***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, patient safety system, PLC monitoring and control, AC/DC motor control system, laser system, power distribution system, and the internal water cooling system.*

*- Created 30 system interlock troubleshooting drawings for field service and installation personnel.*

*- Developed several robotics, x-ray imaging, laser installation and alignment documents.*

*- Resolved several ongoing 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 and disassembly 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.*

*- Installed hardware and software upgrades.*

*- Liaison between customer and product support.*

*- Assisted PSE with ongoing IRIS failure analysis and future service mode troubleshooting tools for 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 Linac 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.***

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

*- 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.*

*- Modified the first motion disable system for the Peacock System (prototype) 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, Hybrid Test Station AN/USM-403 - HATS.*

*- Responsible for troubleshooting and repairing several 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 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 assemblies.*

*- Developed a software troubleshooting program with step by step fault isolation and troubleshooting instructions for*

*troubleshooting the system Memory Modules, Navigation, Communication, and Display I/O’s test sets.*

*- Trained junior technicians on ATE theory, electronics theory, troubleshooting techniques, and Atlas and Basic programming.*

*-*

***EDUCATION:***

***CIVILIAN:***

*2014 – Varian TrueBeam Maintenance course.*

*2014 – Mevion Cyclotron and Magnet Operator course.*

*2013 – Mevion Gantry Operator Certification.*

*2012 – Kuka College - Programming and Controller Maintenance Course.*

*2010 - Accuray 9.0 System Upgrade course.*

*2009 - Accuray 8.5 System Upgrade course.*

*2009 - Accuray Cyberknife Maintenance course.*

*1996 - Varian Multileaf Collimator Maintenance course.*

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

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

*1993 - Varian C-Series High / Low Energy Accelerator Maintenance course.*

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

*1991 - United States Department of Labor - Journeyman Electronics Mechanic.*

*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.*