

CHRISTOPHER ROMANI

13891 Golden Russet Dr., Winter Garden, FL 34787 | Cell: 404-783-2707 | Email: Christopher.romani@varian.com

EXPERT BIOMEDICAL EQUIPMENT / IMAGING ENGINEER

Confident, professional, organized, pro-active, and enthusiastic Biomedical Equipment Engineer and U.S. Navy Veteran with theoretical and practical knowledge of electronic and mechanical technology, team orientation, proven commitment to customer service, and strong communication and partnering skills. Works with and requires no supervision; teaches basic fundamentals and functionality to customer base; leads a productive team; carries out high-quality preventive maintenance and corrective repair assignments on time/on budget in collaboration with clients and colleagues and in full compliance with all technical guidance and requirements. Three+ years of experience with complex clinical/patient care medical equipment, including linear accelerators, imaging systems, and related software, in hospital environments. Extensive training in electronic repair/troubleshooting. **Ready for more senior positions.**

CORE STRENGTHS

- Biomedical Devices & Equipment
 - Project Management & Assessment
 - Cross-Functional Team Leadership
 - Training & Development
 - Shift Supervision
 - Needs Assessment
 - Quality Assurance / Testing
 - Technical Support
 - Cost / Benefit Analysis
 - Expense Controls
 - Client Account Management
 - Customer Service
 - Operations Management
 - Electronic Troubleshooting/Repair
 - Active U.S. Security Clearance
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PROFESSIONAL EXPERIENCE

FIELD INSTALLATION ENGINEER, Varian Medical Systems, Orlando, FL | **2012 - Present**

Level 2 engineer with a global leader in radiation oncology hardware and software solutions: apply subject matter expertise in linear accelerator systems, strong technical competency, and a customer-first mindset to install, maintain, service, and troubleshoot multi-million dollar linear accelerators and all subsystems, including imaging systems and software support, for clients in the field. Supervise and train up to 10 site electricians, plumbers, and contractors per location. Partner effectively with client staff and colleagues to optimize machine functionality, cost-effectiveness, and readiness to treat cancer patients. Work proactively and independently. Hold self and others accountable.

Install, repair, and maintain diverse hardware and software, including Portal Vision, Multi Leaf Collimators, On Board Imaging, Respiratory Gating, E-arms, R-arms, True Beam/ C3 systems, PAVS, BCCV, and Aria. Set machine isocenter, calibrate machines, tune dose, scan energies for symmetry, verify machine radiation isocenter, laser alignment, and perform software upgrades and rapid arc upgrades. Complete all tasks to comply with established guidance for Truebeam/ C3 and other accelerator systems and sub systems. Maintain, track, update, and execute multi-week technical appointment schedule for multiple clients. Prepare and submit accurate and timely expense reports, parts consignments, LMS training, travel arrangements, and field service reports.

Instruct clients in system operation and preventive maintenance. Serve as company liaison with clients on administrative and technical matters for assigned projects. Interpret client needs and collaborate with sales personnel, customer support reps, and/or engineers to ensure timely and complete problem resolution.

Demonstrate superior IT skills with Windows and Apple systems, DOS commands, MS Office, networking, drive mapping, creating I: drives, installing new system software, archive clearing, smart connect installations and operation by reliably addressing complex technical issues and challenges in the field.

SELECT ACHIEVEMENTS

- **Consistently won management recognition** for providing excellent customer service and exceeding client expectations by delivering system installations on time/on budget and effectively resolving complex technical issues onsite quickly and authoritatively. Lauded for enthusiasm and willingness to go above and beyond.
- **Name-requested** by clients for my proven troubleshooting skills and ability to deliver trouble-free installations.
- **Completed** extensive Varian technical training and certifications in Truebeam/C3 systems and other hardware/software.

Professional experience, continued...

AVIONICS ELECTRICIAN TECHNICIAN, U.S. Navy, Oak Harbor, WA | 2008 - 2012

Served as an outstanding and fully qualified avionics technician in the field of electronic repair and calibration of avionics systems and testing equipment. Performed hardware and software upgrades and installation. Supervised up to 20 electronics technicians at a time in the repair of over \$100M of highly sensitive equipment with minimal losses over four years. Oversaw and directed repair of all equipment for the HF Radio Communications test set for the Center Naval Aviation Technical Training Unit, and trained all technicians who took the course.

Developed extensive experience in the operation and maintenance of oscilloscopes (analog and digitizing), signal generators, electronic counters, GPS frequency standards, high precision multi-meters, Peak Power analyzers, power supplies, HF Synthesizers, power amplifiers, and RMS Volt meters.

Maintained proper aircraft maintenance records for weeks of complex technical work at a time for supervisors and incoming technicians. Led and trained multiple technicians. Inspected work and assured safe, on-time, high-quality project completion. Facilitated clear and consistent communications between the avionics work center and maintenance control center, ensuring timely delivery of all documents and technical services.

SELECT ACHIEVEMENTS

- **Earned EAWS (Enlisted Aviation Warfare Specialist)** qualification. Received Honorable Discharge.
- **Trained new technicians** in Periodic Maintenance procedures, cutting down time by nearly 40 percent.
- **Became a recognized supervisor of multiple technical systems** on the P-3 Orion aircraft, including communications and navigation.
- **Applied strong technical troubleshooting skills** to maintain the P-3 Orion aircraft platform in battle-ready condition during Operations Iraqi Freedom and Enduring Freedom.

EARLY CAREER EXPERIENCE

Branch Assistant Manager, Leslie's Pool Supplies, Jacksonville, FL | **2006 - 2008**

Sales Associate, Radio Shack, St. Johns, FL | **2004 - 2006**

EDUCATION & DEVELOPMENT

Associate's Degree, Physical Sciences, Skagit Valley Community College, Mount Vernon, WA

93 credit hours towards a Bachelor's Degree in Electrical Engineering, West Virginia Wesleyan College, Buckhannon, WV

Completed Varian training and certifications, 2012-Present:

- **"Clinac Essentials"** six week linear accelerator course covering Linac mechanical calibrations, Beam symmetry/ flatness scanning, multi- leaf collimator mechanicals, software and networking, laser alignment, machine troubleshooting, klystron replacement, motor replacement; **4D Integrated Treatment Console software training**, a one week course covering all related topics from software troubleshooting to day to day system operations; **PV Imaging**, a one week course that covered all of portal visions MV imaging applications and troubleshooting; **PV Arms**, a one week course that covered arm mechanics and troubleshooting; **On Board KV Imager**, a two week course that covered OBI's calibrations, imaging troubleshooting, and day to day operations of the system; Level 3 beam qualified and level 3 imaging qualified; **Truebeam Certified and Trained**.

Completed U.S. Navy training and certifications, 2008-2012:

- Aviation level HF Radio Communications Level Repair Technician, HF Principals, and Test Set Repair, 2010.
- Aviation Technician common core courses: Introduction to Aircraft Systems, Introduction to Electronics, Solid-state Electronics, Aviation Level I Strand, DC/AC Circuits, Electronic Communications, Radar Principles, Solid-state Electronics, Avionics Technology, Basic Electronics Laboratory, Computer Systems Organization, Digital Principles, Electronics Systems Troubleshooting and Maintenance, and Introduction to AC/DC Theory, 2008.
- Communications/Navigations Intermediate Maintenance (5,500+ hours), P-3 Organizational Maintenance (300+ hours)