

# Richard Kelly

## Senior Electromechanical Technician.

San Francisco, CA 94121  
rickskelly4231@yahoo.com - (415) 341-4987

Specializing in partial accelerator systems. Extensive experience with troubleshooting and repair of electronic equipment to the component level. Have shown a high level of competence in production, field, and R&D environments.

### WORK EXPERIENCE

#### **Accelerator Power Systems Technician**

SLAC National Accelerator Laboratory - Menlo Park, CA - August 2014 to Present

Set up sub assembly testing stations and wrote the test instructions.

Troubleshoot, repair, and upgrade of the RF and klystron systems.

Collect and analyze data for system optimization and modification.

After less then a year given the responsibility of being the sole maintenance technician on a evening shift for the entire accelerator site.

#### **Product Development Technician**

L-3 Communications Inc. (Contracted though R&D Technical Services Inc.) - Mountain View, CA - July 2013 to May 2014

Integrate production, perform major field modifications, and test and troubleshoot production industrial imaging equipment.

#### **Product Development Technician**

Accuray Incorporated (Contracted though Peak Technical staffing) - Sunnyvale, CA - December 2011 to June 2013

Assembled with only basic plans and little direction linear accelerator test beds and prof of concept systems. This includes structure, H/V, microwave assemblies, linear accelerator and support electronics. Also experience with vacuum pumping and conditioning of linear accelerators and associated items. A integral part of a project that went from prof of concept to production for a industrial linear accelerator.

#### **Senior Installation Engineer**

INTRAOP Medical Corporation - Sunnyvale, CA - July 2005 to December 2011

Installed medical linear accelerators throughout the world. This includes, as sole representative of the company, coordination of the delivery, installation, troubleshooting, completion of the acceptance test procedure, commissioning, and training of staff. Participate in the redesign and prototyping of the company's next generation linear accelerator systems. Engender customer loyalty by ensuring product specifications and performance exceeded customer expectations.

#### **Senior Medical Electronics Engineer**

University of California, San Francisco - San Francisco, CA - November 2001 to July 2005

Performed quality assurance and maintenance of 7 linear accelerators, 3 treatment simulators, and supporting equipment. Coordinated the installation of accelerator systems, laser alignment systems, and camera systems.

#### **Field Service Engineer**

Siemens Medical Corporation - Concord, CA

Tested high voltage microwave modulators, including troubleshooting and certifying the system for use in final testing as well as interfacing with engineering for the purpose of improving production control and design. Performed final testing, including prototype evaluation, test procedure writing and evaluation and certifying of the complete medical linear accelerator system. Worked as Field Service Engineer performing on-site maintenance and system upgrades.

## EDUCATION

### **Certificate (AS degree equivalent) in Electronics**

US Navy

## SKILLS

Component and system level troubleshooting. High power RF (microwave) systems. Vacuum systems. Precision electromechanical systems. Understanding of BOM's, routers, ECO's and production in general. Have developed and written assembly and test instructions. Crane and forklift certified.

## MILITARY SERVICE

Service Country: United States

Branch: Navy

Rank: Second Class Petty Officer