**Richard Dolata Jr.**

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**Summary**

An Engineering Technician with applied knowledge of various electronic components, digital and analog circuits, AC and DC theory, power supplies, semiconductor theory, fiber optics, lasers, communications, and microcontrollers.

An Engineering Technician implementing tasks such as product improvements, design changes, testing, repair, fabrication, maintenance, organizing lab, equipment calibration, specifications, updates, software, setup, documentation, procedures and verification.

An Electronic Technician at various companies working on many different products

**Equipment used**

* Oscilloscopes/Signal Analyzer
* Power Supplies
* Network Analyzer
* RS232 & CAN Analyzer
* Spectrum Analyzer
* Multi-meters

**Education**

University of Massachusetts Lowell, MA

* Electrical Engineering Courses (1.5 yrs.) (92-93,93,96)

Middlesex Community College Bedford Lowell, MA

* A.S. Engineering Science 1995 (2yrs.) / Electronic Technology 2nd yr. (1yr.) (90-92,95-96)

Shawsheen Technical H.S. Billerica, MA

* Diploma Electronic Technology

**Other Skills**

* ANSI C, Lab-View (user/update), reviewed python and Assembly Language
* Word, Excel, Outlook, Access, PowerPoint, ORCAD & similar tools
* Schematic interpretation, soldering & rework of PCB’s, and customer concerns
* Lynda.com – Lean Mfg., Six Sigma, JIT scheduling
* Desktop support of lab computers – installing drivers, installing/updating Windows O/S, ghost imaging, updating hard drives and SSD drives, installed memory, monitoring events, USB cards, cleaning registry, backups, AV

**Experience**

HP Enterprise – ETeam – Andover, MA 2/2019-3/2019

**Technician** (Temp)

* Removed Components from leased servers such as proc, ram, cache, ps, hd, nic, fc, sc, hs, fans.
* Utilized companies internal web page to find out various information such as parts that come out of the servers, scrap parts, BOM, manufacture of hd
* Created asset tags for component hardware.
* Entered a list of optional components into a database so items could be added to stock.
* Entered attributes for each component into the data base. COO, model number, speed, type, …
* Readied servers for lease. Removed fans and heat sinks for scrap.
* Learned to bulk add items into a database for faster inventory management.
* Used pneumatic lifts to move heavy servers. Used a pallet jack for a skid of servers. Steel toe shoes required.
* Created asset tags for scrapped defective or obsolete items. Added this information into a database.
* Created pallet tickets to move inventory to several locations.

iRobot – Mindlance – Bedford, MA 12/2017-5/2018

**Engineering Technician** (Temp) Chelmsford, MA

* Built, tested, calibrated, and qualified robots used for prototype testing.
* Used company made software (“Roboscope”) and Edison Wi-Fi test board to interface robots and run commands for operation, calibration, and functional test of various electronics including different type of sensors, camera, …
* Modified plastics using ultrasonic knife, drills, a pair of cutters, and installed printed parts.
* Used Ubuntu Linux, Windows 10, and batch files to make ssh commands and software updates easy to implement. WinSCP, Putty, and CCleaner were some other useful programs.
* Worked with IT department to get my computer updated with the proper tools needed in the lab.
* Created forms and an online spreadsheet to record the history of units. Applied labels for user info and tracking.
* Recorded inventory of all parts needed, formalized it to an Excel spreadsheet and emailed it, to maintain supply / demand of future builds or so no shortages would occur. Ordered lab supplies and parts frequently.
* Created batch file to run ssh commands and many common operations for testing units.
* Trained other techs on how to update robots, what software to use, many ways of doing the same thing depending on what tools utilized such as win7 vs win10
* Got other people’s computers to work effectively.
* Communicated with other engineers to improve product as well as create easier test tools. File permissions, commands, button presses,… etc. and communicated researched information with the rest of the group.
* Helped with 5S efforts in lab to keep it cleaner and still functional.

L3 (Insight) – Donatech – Londonderry, NH 8/2017-9/2017

**Engineering Technician** (Temp) Chelmsford, MA

* Trained on Hoffman test setup for calibration and test of night vision goggles.
* Ran tests for columniation on a golden unit at various test stations to compare results.
* Notified other technicians of some process assembly problems with differing quadrant monocular columniations.

Teradyne – CDI – Reading, MA 1/2017-6/2017

**Electronic Technician** (Temp) Chelmsford, MA

* Ran qualifying tests for product operation on carriers and slots for testing Qualcomm’s snap dragon processor
* Troubleshot failures from other technicians who weren’t as familiar with the operation.
* Trained and qualified other technicians sent to the field
* Ran tests on units that came back from the field and had units repaired to be sent back to the customer.
* Worked with scheduling to help meet company goals and demands
* Explained/Shared common problems with other technicians as well as software update explanation
* Investigated new found problems and shared this information with the group
* Ran python test script for the qualification of products
* Reported python test script bugs with newly created software
* Operated system test tree application to program options and test the carriers in a system.
* Communicated with customers within the company who were seeking production goals and product priorities.

Amazon Robotics – Robotics research lab - R&L Associates – Wilmington, MA 10/2016-1/2017 5/2015-3/2016 2015-2016

**Technician** (Temp) Chelmsford, MA

* Conducted tests utilizing Universal Robotics arm for the capture of data used for software development.
* Paid special attention to the operation of the testing, so that it could be witnessed and explained to engineers.
* Communicated recent problems to first shift so that the proper resources could solve the issue on day shift
* Suggested problems and design improvements
* Helped speed up the robotic learning process/testing utilizing bar code scanners
* Answered questions from engineers for operation and software improvements
* Used Ubuntu Linux and company made test software used in the vision and robotic arm control

Thermo-Fisher Scientific – Apex Systems – Chelmsford, MA 5/2015-3/2016

**Electro Mechanical Tech** (Temp) Chelmsford, MA

* Built & tested specialized communication cables - Device-Net, USB, RS485, Ethernet, Modbus
* Functional test of sensor/measurement water quality products
* ECO creation, document creation/updating – build, test, & QC procedures / work instructions

Helped family members out with several responsibilities/duties – Tewksbury, MA 11/2011-5/2015 2011-2015

**Family personal assistant** 2012-2014

3M - Symphony Services – Methuen, MA 8/2010-11/2011 Methuen, MA

**Lab Technician/Engineering Tech** (Temp)

* Thermal Chamber Testing, ESD testing, product improvements, DVT qualification, conducted RFI testing
* USB qualification/setup, Eng. Assistant, optic measurements, RMA
* Suggested test software improvements, and proofread & suggested changes to customer documentation.

Candela **–** Sudbury, MA2009-2010 2008-2009

**Engineering Technician** (Temp)

* Software/Firmware/System function, design verification, and test
* Familiar with Microchip controllers and CAN communication
* Validated test cases for various system functions.

SynQor – Boxboro, MA 2007-2008

**Support Technician** (Direct) Boxborough, MA

* Maintenance, troubleshooting, updating, calibrating, repair, and build of burn-in racks
* Operation of test equipment, setting up benches, production support. ...

Lucent / Tucker Technologies – N. Andover, MA 2007-2007

**Level one**

* Installation of transponders for fiber optic networking equipment
* QC Inspector

SB / GCR Professional Services – S. Boston, MA 2006-2006

**Field Service Tech**

* Updating/install of cash systems

Azimuth Systems / Adecco **–** Acton, MA 2005-2005

**Electronic Technician**

* Tested RF test equipment using a network analyzer
* Tested test equipment for a multi user Wi-Fi simulator blade

ATI Systems **–** E. Boston, MA 2004-2005

**Field Service Technician**

* Board repair and system tester
* Some customer support for emergency broadcast systems
* Had an instance where the customer requested my assistance when he called again.

Temp Ed 2003-2004

**Substitute Teacher** – Tewksbury, MA

* Filling in for various subjects and grades

**Various-**

APC, Mayflower Communications, Brooks Automation, Kronos, Analogic, MSI 2000-2002

**Engineering Assistant, Engineering Aide, Electronic Technician**

* Familiar with UPS, and GPS
* Implemented engineering changes as requested
* Tested new products
* Repaired customer returns
* Tested HVPS used for CT scanners

**…** (96-2000-Agilent, HP), 96-MKS, 95-96-PRI, 94-ECRM, 93-Whistler, 89-92-KeyTek) 1989-2000