**Yves Zacharie Lebrun Electrical ENGINEER**

*7819646063*• *Yveszlebrun@gmail.com 68 Hollis St.*• *Brockton, MA*• *02302*

A quality-focused, Electrical Engineer with experience in electrical design, testing, programming, analysis, and troubleshooting. Recognized for high attention to detail, solid organizational skills, exceptional work ethic, and ability to successfully achieve organizational goals independently and collaboratively. Proven technical, interpersonal, and communication skills for facilitating solid relationships with clients, personnel, and key stakeholders. Secret Security Clearance

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| **Education** |

University of Massachusetts lowell | Lowell, MA |September 2012

* Master **of Science in** Electrical Engineering.
* **Concentration** in Communication and Power Engineering

University of Massachusetts lowell | Lowell, MA | May 2010

* Bachelor **of Science in** Electrical Engineering.

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| TRAINING AND CERTIFICATION |

**FPGA| Labview 2020| TestStand 2020 | Embedded Systems | Microcontroller| RF** **| |Radar| DSP |SystemVue 2020| Ansy HFSS 2022**

**IPC-A-610** Certification through 10/2020 | **OSHA** Certification, ISO 9001| **IPC-A-620** Certification through October2020

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| **Technical Skills** | | | |
| **•** Oscilloscopes, PXI  **•** Digital multi-Meters  **•**Network Analyser  **•** Circuit Boards, EMI  **•** Function Generators | | **•** DAQ. Git, TCL  **•** SystemVue 2020, LabVIEW 2029  **•** Multisim14, PSpice, DOORS  **•,** MATLAB 2019, DISCUSS  **•** Windows 10, Unix, Linux | **•** ADS 2020, HFSS 2022  **•** OrCAD 17.5, Altium 18  **•**  Xilinx 14.7, Vivado 2020, Quartus 20.2  **•** MS Office Suite, Minitab, Python  **•** VHDL, Verilog, C, C++ | | |
| **PROFESSIONAL Experience** | | | |

**RAYTHEON TECHONOLOGIES** • Andover, MA • January 2020 – Present

**Engineer II Test& Validation**

* Testing and Troubleshooting of RF Circuit cards for R&D Prototypes Boards and Production support.
* Read and Interpret Schematic and test requirements and document test procedures.
* Develop and execute improvement projects to increase first pass yields.
* Assist operators in the testing & troubleshooting of production hardware.
* RF Circuit Boards Troubleshooting Faults and R&R Defective Parts.
* Interfaced with various Engineering disciplines to help determine root cause and corrective action.
* Managed Weekly Root Cause Analysis and Data Tracking Meetings on RF Signal Processor Failures Test.
* Experiences with RF Test equipment (Spectrum Analyzers, Network Analyzers, Signal Generators).
* RF & Microwave Design synthesis at the board or subsystems level using ADS 2020.
* Matching of Resonance network of Transmitter and RLC Circuit using ADS 2020.
* DSP programming in MatLab and Verilog using Xilinx Vivado for Designing Digital Filter in RF Receiver.
* Embedded Firmware Programming of Micro-controllers in C.
* Writing firmware drivers for UART, SPI, I2C, and RS232 communication protocols
* Embedded Programming in C, VHDL and Verilog for FPGA’s and Microcontrollers

**QINETIQ NORTH AMERICA •** Franklin, MA • December 2018 – December 2019

**Staff Quality Assurance Engineer**

* Responsible for supporting incoming, in-process, and final inspections of electromechanical hardware.
* Verified product conformance to program specifications, drawings, and acceptances tests.
* Contributed to Material Review Board (MRB) activities, performed root cause analysis, and participated in corrective action process.
* Performed First Article Inspections.
* Captured inspection data and supplier data packages in VISUAL Quality Module.
* Supported Quality Management System (QMS), AS9100C and CMMI process and performed audits.
* Ensured calibrated equipment is calibrated in a timely manner.
* Performed all other related as assigned.

**QINETIQ NORTH AMERICA •** Franklin, MA • May 2018 – November 2018

**Senior QA Inspector**

* Inspected PCAs and cable assemblies in accordance with IPC-A-610/620 certification.
* Supported QMS, AS9100C and CMMI processes.
* Conducted final inspections.
* Ensured product compliance to program specifications, drawings, and acceptance tests.
* Completed timely equipment calibration.
* Recorded all inspection data and supplier data packages in VISUAL Quality Module.
* Performed First Article Inspections using CMM and other inspection equipment.
* Document and follow detailed instructions.

**ANTENNA** **RESEARCH ASSOCIATES, INC** • Pembroke, MA • September 2016 – December 2016

**RF Test Engineer**

* Assembled electrical systems using hand tools and measuring instruments.
* Built components of prototype for antenna and RF testing.
* Calibrated, maintained, troubleshot, and repaired electrical instruments and testing equipment.
* Using Oscilloscope, Digital and Mustimeter and Functions Generator for troubleshooting.
* Set up and operate test equipment to evaluate performance of developmental parts, and assemblies.
* Identify production issues and solutions to on-site technical design problems involving electrical systems equipment.

**LOCKHEED MARTIN –POLARIS**• Marion, MA •October 2015 – August 2016

**Test Engineer | Contract Position**

* Performed complex circuit card assembly tests for PM, SP, DP, TWC, AIC, and EMI with oscilloscopes, digital multi-meters, and function generators.
* Developed automated test scripts, procedures, telemetry displays, limit files, and other documentation for testing.
* Troubleshot, calibrated, adjusted, test, diagnosed, and maintained electrical and control equipment, components, devices, and systems within the electronic, mechanical, electromechanical, and optical areas.
* Performed failure analyses from accelerated testing and field returns and presented detailed reports to management.

**Key Accomplishments**

* Supervised and mentored team of testers tasked with completing multiple deliverables simultaneously.
* Communicated with development team members about test automation tools and instruments required for data-driven testing and able to follow all compliance and safety related training using LabVIEW.
* Read and interpreted Electrical/ Mechanical blueprints and Schematics.

**ZAPOTEC ENERGY, INC.** • Cambridge, MA •August 2014-December 2014

**Electrical Engineer**

* Collaborated with team’s members to perform layout, renewable energy feasibility studies, and energy modeling design Collaborated with team’s members to perform layout, renewable energy feasibility studies, and energy modeling design for solar photovoltaic (PV) systems.
* Assessed, monitored, and troubleshot PV systems, installed inverters.
* Created and updated drawings of PV systems and metering components.

**Key Accomplishments**

* Produced, calibrated, and tested individual electrical components and successfully diagnosed and resolved issues on malfunctioning components.
* Designed and implemented performance test plans based on customer needs assessments and requirements.

Created electrical wiring schematic using AutoCAD 2013 for electrical systems.