

Jeffrey Charles Lambert

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Overview: I have 10 years of LabVIEW software development experience and 4 years of automated hardware test experience.

Objective: Development of automated test solutions for RF systems and assemblies.

Senior Test Engineer

BCS Automotive Interface Solutions, Auburn, NY

October 2018 – March 2019

- Support of an automated tester running LabVIEW and TestStand to test wireless receivers for use with remote keyless entry and tire pressure monitoring systems. I was responsible for maintaining code, ensuring proper calibration and limits, and improving first pass yield.

LabVIEW Engineer

University of Central Florida, Orlando, FL

January 2016 – May 2018

- Developed and maintained several LabVIEW applications for data acquisition, statistics generation, and analysis of south American electric knife fish electric organ discharge (EOD) waveforms.
- Selected a low power ST microcontroller for a low earth orbit satellite and prototyped basic communications protocols in C

Senior Systems Integration/Test Engineer

Lockheed Martin, Orlando, FL

August 2017 – December 2017

- Supported the Javelin missile project refactoring HTBasic test code to modern TestStand sequences with LabView test code on the backend.

Senior Test Development Engineer

Jabil Circuit, St. Petersburg, FL

July 2015 - January 2016

- Responsible for the development of test fixtures, test stations and cable harnesses used for functional testing and boundary scan of aerospace and defense products.

Staff Test Engineer

National Instruments, Austin, TX

January 2012 – June 2015

- Worked as part of the RF test engineering team for functional test of PXI modules and communications products.
- Designed automated test solutions for new productions as required: develop test code and test techniques in collaboration with hardware teams, design test fixtures in collaboration with mechanical engineers, design and verify test solutions, train test operators, document all test station hardware, test fixtures, and test code.

Electrical Engineer

University of Central Florida, Orlando, FL

April 2008 – December 2011

- Designed front end hardware to interface with National Instruments DAQs for capturing of EODs in various electrode configurations in a tank.
- Developed custom LabVIEW applications for autonomous long-term experiments, analysis of recorded data, and statistics generation.

M.S., Electrical Engineering

University of Central Florida, Orlando, FL

January 2009 – May 2011

GPA: 3.6, RF and communications concentration, thesis track

Courses: Biomedical Effects and Applications of Electromagnetic Energy, Random Processes, RF & Microwave Measurement Techniques, RF & Microwave Communications Systems, Operational Amplifiers

May 2003 – May 2008

B.S., Electrical Engineering

University of Central Florida, Orlando, FL

Courses: Microwave Engineering, Electrical Machinery, MEMS devices and applications

AWARDS

- National Instruments: "Rookie of the Year", 2013

ACTIVITIES

- Licensed Amateur Radio Operator (Extra class, Call sign: K1VZX)
- IEEE Instrumentation and Measurement Society Vice Program Chair, 2014

SKILLS

- Programming: LabVIEW, LabVIEW FPGA, (X)HTML, PHP, SQL, CSS, Visual Basic, Python, Embedded C
- Applications: Word, Excel, Outlook, Powerpoint
- Windows, Linux (Debian), Unix (OpenBSD)
- Hardware: programmable network analyzers, oscilloscopes, spectrum analyzers, vector signal transceiver, software defined radio (SDR), signal generators, power meters, GPIB and RS232 control, SPI/I²C, NI DAQ (CompactDAQ, DAQmx), PXI/MXI