Wade D. Oler

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Address
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Skills:

-Proficient programming with Perl, C, National Instruments LabVIEW, and Visual Basic
-Creating scripts and programs to improve workflow and data analysis
-Experienced in MATlab, MultiSim, PSpice, OrCAD, Eagle, Fusion 360 and Inventor
-Improving yield and profit by creating statistical analytic tools for a variety of products

Employment Experience:

Texas Instruments Incorporated — Dallas, Texas (Feb. 2013 – Present)

Non-Volatile Memory Apps and Test Engineering (Mar. 2015 – Present)

-Created a program to test in parallel 127 flash test chips for high temperature operating life
-Programmed Perl scripts to simulate, pre-silicon, the timing of a mixed signal tester
-Changed a bitmapping visualization tool to accommodate a new memory layout

Product and Test Engineering Rotation Program (Feb. 2013 – Feb. 2015)

-Product and Test Engineering Rotation

Assisted with test creation, debug, and qualification of MSP432 microcontroller

-Validation Engineering Rotation

Designed and automated a Time Domain Based Arbitrary Waveform Generator
Created and implemented LabVIEW test flows for design performance validation

-Fabrication Product Engineering Rotation

Analyzed test and tool data to explore, debug, and prevent yield and quality issues
Designed a process to stress manufacturability and testability for a customer return issue

-Assembly and Test Product Engineering (Pampanga, Philippines)

Modified Perl programs to summarize failing test boards and stress product retest issues
Created statistical programs utilizing Spotfire and a graphical SQL program to emphasize issues with assembly and test setups

Gentex Corporation — Zeeland, Michigan (May – Aug. 2012)

Production Support Engineer Intern

-Designed and manufactured a PCB rework station using CAD
-Wrote and Implemented a Tech Report for the Electrical Assembly floor

Education:

Purdue University West Lafayette, Indiana — Dec. 2012

Bachelor of Science in Electrical Engineering Technology — GPA 3.35/4.0

-Minor in Organizational Leadership Studies

Notable Projects:

-Created a scalable test program to verify High Temperature Operating Life of Flash IP
-Modified Perl reporting program to aggregate and summarize failing production test boards
-Prototyped and automated Time Domain Based Arbitrary Waveform Generator
-Designed and prototyped an energy harvesting color changing turn signal