

# Wade D. Oler

## Contact

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## Address

5519 Arapaho Road Apt. 344  
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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