

Otto Nitschmann III
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Qualifications Summary

- Application engineering
- Calibration and vehicle testing
- Engine calibration fine-tuning
- Native fluency in Spanish and English
- Conversational proficiency in French
- Data acquisition system setup
- Instrumentation calibration

Education

Northwestern University: Masters of Science in Engineering Management Expected June 2018

The University of Texas at El Paso: Bachelor of Science in Mechanical Engineering December 2010
GPA of 3.20/4.00

Engineering Experience

Fiat Powertrain Technologies FPT Burr Ridge Illinois September 2013 – Current

Application Engineer

- Interact with cross functional teams to carry product from development to production and support quality team when needed
- Ensure that products and services are modified, configured, and installed according to customer needs
- Dataset calibration updates and in-field fine tuning in vehicle diagnosis, thermal management, aftertreatment and controller interfacing
- Perform installation audits on engine builds confirming proper Engine mounting, air intake, aftertreatment, cooling package, fuel and electric systems and service accessibility
- Support functional tests (Air to boil, cold start, altitude and performance tests)
- Create official company test procedures targeting specific application functionality as well as cross platform validation
- These activities are performed on the Skid Steer Loader, Forage Harvester, Sprayer, and Cash Crop High tractor application

Navistar, Melrose Park Illinois

June 2011 – August 2013

Field Test Engineer

- Tested management and product validation activates in extreme weather environments
- Responsible for all aspects of the test:
 - Test design, budgeting, instrumentation, logistical planning, physical testing, data analysis, documentation, reporting
- Tests included but were not limited to:
 - Vehicle level, part interaction, system performance, aftertreatment, powertrain performance, fuel economy, emissions, route recreation, calibration validation and thermal mapping
 - Instrument calibration, data acquisition setup using pressure transducers, thermocouples, flow meters, strain gauges, telemetric units and optical sensors
- Led a team of 3 engineers and 2 drivers in Summer Field Test for over 3 months of preparation and testing

Technical Skills

- Computer: Proficient with Microsoft programs, J1939/CAN based data acquisition systems including eDAQ, ControlTec, Datatker, and ETAS
- Automotive Calibration software: INCA and Hexplorer
- Dynamic environment surveying experience
- Licensure and certifications: class A CDL with endorsements for air brakes, doubles/triples and tanker trailer