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Roush Industries Job Posting August 18, 2010 – September 9, 2010

Entry-level Powertrain Calibration Engineer

Roush supplies comprehensive, integrated development services and provides customers with support that fuses technology and engineering. From design through prototyping, testing and manufacturing, we take our customers' visions from the sketch pad to production. We're focused, efficient, and we deliver. With over 2000 employees in more than 40 facilities across the United States, and interests around the world, Roush solves customers' problems and provides significant support to the automotive, performance products, military, entertainment, life sciences, alternative fuels and consumer products industries.

We are focused on performance, driven by technology, and committed to our customers' success. If you're only happy when your customers are happy, we want you on our team.

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We are looking for an Entry-level Powertrain Calibration Engineer with a high performance work ethic to help us with powertrain calibration and optimization for performance. The ideal candidate would be a self-starter interested in a broad based, hands-on career in the automotive engineering industry. The position is located at our Allen Park, MI facility.

Duties:

- Carry out dyno and vehicle-based calibration testing. Analyze the results to calibrate the powertrain control system and support the validation and release of the calibrations into production
- Perform hot/cold climate and high altitude development testing to meet customer objectives (e.g. driveability, performance, emissions, etc.)
- Calibrate all aspects of powertrain function, including: spark, fuel, electronic throttle control, OBD, starts, emissions, variable cam timing, etc.
- Prepare and deliver technical reports and presentations as part of the calibration documentation for status reviews and to support sign-off

Requirements:

- BSME or related 4 year engineering degree.
- Good knowledge of automobile engine systems and technology.
- Some work experience (internship or co-op acceptable) in automotive powertrain engineering field.
- Willing to travel within the U.S. for development testing at ambient temperature and altitude extremes up to three weeks at a time.
- Possess excellent verbal and written communication skills.
- Demonstrated ability to work in a team environment.
- Must have excellent computer skills.
- Must have an excellent driving record and proficient driving manual transmission vehicles.

Preferred Skills:

- Minimum one year of automotive engineering experience (internship or co-op acceptable).
- Powertrain testing experience (dynamometer, emissions, or on-road).
- Knowledge of advanced tools (INCA, Vision, MATLAB).

You must refer to this posting to be considered. Send resume by September 9, 2010. **AA/EEO**

Send updated resume to Salina Cinco, Email: Careers@roush.com

Visit our website: www.roush.com

Keywords: Powertrain, calibration, engineer, gasoline, diesel, base engine, transmission, OBD, MATLAB, ETAS
INCA, ATI Vision, spark, fuel, electronic throttle control, OBD, starts, emissions, variable cam timing