



POSITION

POWERTRAIN CONTROLS

MINIMUM EXPERIENCE

3 years

OCCUPATION TYPE

Full Time

JOB DESCRIPTION

- Develop software (C++, MATLAB, Simulink) integrating control strategy, test results, diagnostics and industry best practices for control system code including redundancy.
- Work with Model-based System Design and Auto-code Generation in MATLAB/Simulink environment.
- Work closely with the Simulation Engineer to develop the control algorithm for powertrain and thermal systems.
- Knowledge of classical control theory, optimal controls, adaptive controls, and state-space modeling.
- Strong knowledge in programming language, such as C/C++, MATLAB/Simulink
- Familiar with tools such as Vector CANalyzer, CANoe, CANape.
- Proficiency with CAN, LIN Communication Protocols.
- Must display ability to identify problems, recommend solutions, and negotiate and execute contingency plans.
- Able to develop consensus and move the program forward. Develop win-win situations.

JOB REQUIREMENTS

- BS or MS degree in Electrical Engineering or related field.
- Minimum 3 years of Automotive Experience software development & validation process.
- Excellent oral and written communication skills.
- Knowledge of DFMEA and V-Cycle Software Development Process.
- Algorithm Subsystem Technical Expertise.
- Sense of urgency and strong attention to detail.
- Strong problem-solving skills.



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JOB REQUIREMENTS (CONTINUED)

- Demonstrated controls software coding ability in C++, MATLAB, and Simulink.
- Ability to resolve Controls requirements into software efficiently and effectively.
- Demonstrated understanding of vehicle development & system integration process.
- Hands on experience in electric powertrain systems validation and diagnostics.
- General knowledge of ISO26262 – Functional Safety.

WORKING AT INDI EV

Other than offering an endless supply of snacks and coffee, we provide our people with full medical, dental, and vision benefits. Work/life balance is also key, so we offer solid paid vacation time, and a compensated week off between Christmas and New Years. All jobs are located onsite at our headquarters in Los Angeles.

**To apply for this job, send
your resume and portfolio
to work@driveindi.com**