



Job Title: Controls Systems Engineer

XL Hybrids Inc. seeks Controls Systems Engineer. Min. Requirements: MS in ME, EE, or Comp. Science. 1 yr of exp. as a Mech. Eng. The 1 yr of exp. must have included developing, calibrating, validating controller software & control hardware for hybrid, electric vehicles; Developing embedded systems; ECM/TCM calibrations, incl. CAN bus communication and messaging, platform diagnostics, speedometer, fuel level, hardware-in-the-loop (HIL) simulation to reduce development cycle, increase efficiency, improve system reliability and safety; use of vehicle diagnostics, communication and protocols; Any suitable combination of education, training or experience is acceptable.

Job Description:

Develop reqmts. for hybrid vehicle control subsystems for performance, drivability and work w/engineers to design, implement hybrid vehicle control systems specs. Define control hardware architecture, develop control software algorithms for hybrid, electric vehicle controls programs. Calibrate, measure system fuel reduction via simulation, dynamometer, on-road work. Analytical modeling, invehicle testing, failure mode analysis, testing control systems, diagnostics for hybrid or electric vehicles. Test control systems by modeling, test reviews using failure mode analysis. Assist w/drive cycle data acquisition, modeling, analysis.

Contact: Interested applicants should email a cover letter and resume to careers@xlhybrids.com, Attn. Ed Lovelace, Chief Technology Officer or mail to XL Hybrids, 145 Newton St., Boston, MA 02135.

This position is eligible for the company's Employee Referral Program with paid incentives.