CareerCross by JAC Recruitment

CYIENT

In-Vehicle Brake ECU Development Engineer

募集職種

採用企業名
CYIENT株式会社

求人ID
1515956

業種
ソフトウエア

会社の種類
外資系企業

雇用形態
正社員

勤務地
神奈川県, 厚木市

給与
経験考慮の上、応相談

勤務時間
9:00~18:00（休憩 1 時間）　　但し、弊社顧客プロジェクト業務の場合は顧客就業時間とする。

休日・休暇
土・日・祝　　但し、弊社顧客プロジェクト業務の場合は顧客営業カレンダーとする。

更新日
2025年03月25日 05:00

応募必要条件

職務経験
3年以上

キャリアレベル
中途経験者レベル

英語レベル
日常会話レベル (英語使用比率: 10%程度)

日本語レベル
日常会話レベル

最終学歴
大学卒： 学士号

現在のビザ
日本での就労許可が必要です

募集要項

In-Vehicle Brake ECU Development Engineer

Location: Honatsugi

Japanese Level – N3 and above

Responsibilities:

- Develop detailed design specifications for in-vehicle brake ECU systems.
- Create and validate simulation models using MATLAB/Simulink to evaluate system performance and optimize control strategies.
- Design and implement control algorithms, including PI control, for precise control of hydraulic valves, motors, and other actuators.
- Develop embedded software for the ECU, including coding, testing, and debugging.
- Conduct rigorous testing and validation of ECU functionality, performance, and safety.
- Analyze test data to identify areas for improvement and optimize system performance.
- Collaborate with cross-functional teams, including hardware engineers, system engineers, and test engineers, to ensure seamless integration of the ECU into the vehicle.
- Stay up-to-date with the latest advancements in automotive technology and industry standards.

スキル・資格

Required Skills:

- Strong experience in developing chassis-based vehicle ECUs, particularly brake systems.
- Proficiency in C programming language for embedded systems.
- Expertise in MATLAB/Simulink for simulation and modeling.
- Solid understanding of control theory, including PI control and other advanced control techniques.
- Knowledge of hydraulic systems and actuator control.
- Strong analytical and problem-solving skills.
- Excellent communication and teamwork abilities.
- Fluency in English, both written and spoken.

Desired Skills:

- Experience with model-based design and development.
- Knowledge of automotive standards and regulations, such as ISO 26262.
- Experience with tools like CANalyzer, VectorCAST, and other relevant software.

会社説明