



MICHAEL ANDERSON

LEAD ELECTRICAL CONTROL ENGINEER

PROFILE

Results-driven Electrical Control Engineer with over 12 years of experience in the automotive industry. Expertise in designing and implementing control systems for electric vehicles and hybrid technologies. Strong knowledge of industry standards and a commitment to sustainability and innovation. Skilled in using advanced simulation tools to optimize control algorithms, leading to significant performance improvements.

EXPERIENCE

LEAD ELECTRICAL CONTROL ENGINEER

AutoTech Dynamics

2016 - Present

- Led the development of control algorithms for electric powertrains, resulting in a 25% increase in energy efficiency from prototype to production.
- Coordinated cross-functional teams to integrate electrical components into hybrid vehicles, ensuring compliance with safety standards.
- Utilized MATLAB/Simulink for simulation and testing of control systems, optimizing performance before deployment.
- Conducted performance analysis and testing of electric vehicle systems, providing recommendations for design improvements.
- Worked closely with suppliers to source high-quality electrical components, reducing project costs by 15%.
- Mentored junior engineers, fostering a culture of continuous learning and innovation.

ELECTRICAL CONTROL ENGINEER

Future Mobility Corp.

2014 - 2016

- Developed control systems for advanced driver-assistance systems (ADAS) in electric vehicles, improving safety ratings by 20%.
- Collaborated with software teams to implement control strategies for autonomous driving features, enhancing vehicle reliability.
- Conducted rigorous testing and validation of control systems under various environmental conditions.
- Participated in design reviews to ensure that electrical systems met project specifications and requirements.
- Provided technical support during the manufacturing process, resolving issues quickly to maintain production schedules.
- Engaged in continuous learning and professional development to stay abreast of industry trends and technologies.

CONTACT

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SKILLS

- Control systems design
- electric vehicles
- MATLAB/Simulink
- project management
- team leadership
- troubleshooting

LANGUAGES

- English
- Spanish
- French

EDUCATION

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING, UNIVERSITY OF ENGINEERING, 2010

ACHIEVEMENTS

- Developed a patented control algorithm for electric vehicles that improved battery life by 30%.
- Presented findings on EV control systems at the International Automotive Engineering Conference, enhancing company visibility.
- Received a performance award for contributions to the most successful vehicle launch in company history.