

# MICHAEL ANDERSON

Embedded Systems Engineer

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A detail-oriented Automotive Engineering Analyst specializing in automotive electronics and embedded systems. Brings a comprehensive understanding of electronic control units (ECUs) and their integration within modern vehicles. Expertise in developing and testing automotive software, ensuring functionality and compliance with industry standards. Demonstrates a strong foundation in programming and systems engineering, capable of troubleshooting complex electronic systems.

## WORK EXPERIENCE

### Embedded Systems Engineer | SmartDrive Technologies

Jan 2022 – Present

- Developed and tested embedded software for automotive control systems.
- Conducted system integration tests to ensure functionality and reliability.
- Collaborated with hardware engineers to design electronic control units.
- Utilized debugging tools to troubleshoot and resolve software issues.
- Maintained documentation of software development processes for compliance.
- Presented technical reports detailing software performance and improvements.

### Automotive Software Engineer | NextGen Automotive Solutions

Jul 2019 – Dec 2021

- Assisted in the development of software for automotive applications.
- Performed testing and validation of software to ensure compliance with standards.
- Collaborated with cross-functional teams to align software development efforts.
- Documented software specifications and testing procedures for future reference.
- Engaged in continuous improvement initiatives to enhance software quality.
- Participated in training sessions to stay updated on emerging technologies.

## SKILLS

Embedded systems

Automotive software

Programming

System integration

Troubleshooting

Technical communication

## EDUCATION

### Bachelor of Science in Computer Engineering

2018

University of Illinois

## ACHIEVEMENTS

- Improved software performance by 15% through innovative coding practices.
- Recognized for excellence in software engineering with the Tech Innovator Award.
- Contributed to a project that enhanced ECU functionality, increasing customer satisfaction.

## LANGUAGES

English

Spanish

French