

ELECTRONICS ENGINEERING INTERN



LOCATION: *HOLLY SPRINGS, MS (ON-SITE)*

TYPE: *SEASONAL/PART-TIME*

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PARKER HANNIFIN – ENGINE MOBILE ORIGINAL EQUIPMENT DIVISION:

With over 50 years' of experience in filtration, our customers enjoy quality-certified manufacturing, engineering and distribution locations in place around the world. Engine Mobile OE Division's experience in fuel, oil, air, and engine crankcase ventilation filtration allows us to tailor products and solutions to a wide range of applications.

BASIC QUALIFICATIONS:

- US Citizen or permanent resident
- Currently studying Electrical Engineering or similar (Spring 2027 or 2028 graduates preferred)
- 3.0 GPA or higher
- Ability to work on-site 12 to 30 hours a week depending on school schedule and commitments

PRIMARY RESPONSIBILITIES:

- Schematic entry and component selection of electronic components
- Writing embedded software for prototype bring up and verification
- Lab testing of circuits, boards, electromechanical assemblies, etc.
- Troubleshooting and debugging issues
- Research and provide alternate solutions for supply chain or obsolescence issues
- Generate reports from lab testing and requested analyses

DESIRED SKILLS:

- PCB design and schematic entry
- Embedded microcontrollers / microprocessors
- Digital Signal Processing
- Hardware interfaces (CAN, UART, I2C, SPI)
- Power electronic and motor controls
- Experience with embedded systems such as Arduino, Raspberry PI or similar
- Programming in C / C++
- Experience with Microsoft Office software, or equivalent
- First rate communication and presentation skills including specification writing
- Beneficial but not mandatory:
 - Experience with LabVIEW
 - Experience with CAN based communication interfaces (J1939, CANOpen)
 - Experience with design simulation and modeling tools

This is a year-round internship position with the potential to last through graduation. Work hours are flexible and determined based on school schedule with potential for more hours during breaks and in the summer.

Drug-Free Workplace

In accordance with Parker's policies and applicable state laws, Parker provides for a drug-free workplace. Therefore, all applicants seeking employment with Parker will be subject to drug testing as a condition of employment.

Parker is an **Equal Opportunity and Affirmative Action Employer**. Parker is committed to ensuring equal employment opportunities for all job applicants and employees. Employment decisions are based upon job related reasons regardless of race, ethnicity, color, religion, sex, sexual orientation, age, national origin, disability, gender identity, genetic information, veteran status, or any other status protected by law. However, U.S. Citizenship, Permanent Residency or other appropriate status is required for certain positions, in accord with U.S. import & export regulations.