

Engineering Internship

About the Job

The successful intern at DE Design Works enjoys working in a casual collaborative team environment, with other Engineers and customers on a variety of product development projects which typically include custom hardware and software, wired and wireless communications technologies, control systems, and user interfaces. The team member is comfortable working independently and collaboratively on multiple projects, continuous learning, balancing priorities, reading electronic schematics and component datasheets, and using standard electronics lab equipment for software/hardware trouble-shooting. This is a great opportunity to work with the latest technology while helping bring products to life.

About the Company

Dave Engineering (DE) Design Works is an engineering design services firm that has been specializing in electronics product design since 2002. We strive to provide our customers with innovative, high-quality solutions through the deployment of cutting edge technology and services that exceed the customer's expectations. These customers range from small to large size corporations that represent military, commercial, medical, and industrial market segments. Through vertical integration of our skilled engineers, DE delivers complete designs with expertise in hardware (circuit design), software, systems, and mechanical disciplines.

Desired Skills & Experience

Responsibilities:

Support integration testing of new products, pre-certification, and documentation. Develop embedded software for microcontrollers, application software for PC and mobile applications, or develop embedded hardware using schematic capture and PCB layout tools. Support testing, troubleshooting, documentation, and assembly in the R&D lab.

Qualifications:

Pursuing a bachelor's or master's degree in Electrical Engineering, Computer Engineering, Computer Science, or comparable technical degree is required. Strong communication skills are necessary.

Technologies:

Desired but not required:

Experience with Schematic Capture and PCB Layout tools, hardware revision control, ISO procedures, DFM, industrial design, mechanical drafting, systems design, cable design, test procedure development, debugging, rapid prototyping, circuit board assembly, programming in C, C++, Java, .NET, C#, Python, embedded Linux/Windows, Real Time embedded programming, feedback control systems, PID algorithms, PIC and ARM microcontrollers, digital signal processing, FPGA programmable logic, Motor and motion control, graphics and user interface development, Mobile App development for Apple iOS, Android, and Cross-Platforms, Bluetooth, Wi-Fi, TCP/IP, CAN bus, SQL database, IMU, MEMS sensors, Android, iOS, .NET programming, Word Press Web development, and Social Media content creation.

Please email resume to hr@dedesignworks.com