



**CUSTOM MANUFACTURING
& ENGINEERING™**

3845 Gateway Centre Blvd.
Suite 360
Pinellas Park, FL 33782
www.custom-mfg-eng.com

Electrical Hardware/Software Systems Intern

Job ID#: 2022-07A
Regular/Temp: Temp/Temp to Perm
Full-Time/Part-Time: Part-Time

3 Steps to CME Hiring:

- 1. Complete Application at [ApplicantPro](#)**
- 2. Take Both Predictive Index Assessments**
- 3. Gather Info for Interview:** Last 2 W2's, Complete Background Check Form, COVID-19 Vaccination Card

Job Summary:

Are you someone who has a passion for solving problems? CME has an exciting opportunity for an Electrical Hardware/Software Systems Intern to be involved in the development of key parts of electrical and power electronics products for exciting verticals such as future utility and power grid subsystems, heavy equipment and industrial machinery markets, and defense and aerospace. Working under the mentorship of a subject matter expert, you will be assisting with delivering designs on time and on budget by producing and writing of project requirements and system specifications, conceptualizing customer technical solutions, and collaborating with the team to estimate a credible project commitment schedule.

Duties and Responsibilities:

- Work daily with multi-discipline teams on new product design and continuous improvement of CME product electrical and electro-mechanical systems.
- Assists in development of detailed documentation packages including the execution of test plans and protocols
- Provides support for Manufacturing Process Development Engineering methodologies, standards, and relevant tests and/or certifications of electro-mechanical products
- Awareness of Industry 4.0 automation and interested in implementation of these modernizations
- Assists in trouble shooting design issues, bid proposals, development of documentation/schematics and works with teams to anticipate manufacturing/manufacturability issues
- Assist in delivering designs on time and on budget by producing and writing of project requirements and system specifications, conceptualizing customer technical solutions, and collaborating with the team to estimate a credible project commitment schedule
- Assist in writing system level test plans, scripts, procedures
- Understanding of embedded hardware, software design, and b integration of engineering systems
- Maintain schedules and multitasking
- Other duties as assigned

Job Qualifications:

- Coursework in electrical hardware and software design
- Strong interpersonal, verbal and written communication skills
- Strong sense of personal ownership and drive for quality
- General knowledge of electronic manufacturing processes
- Good written and oral communication skills Clerical and computer skills, Proficient with MS Office: Word, Excel, PowerPoint, Access
- Ability to multitask and prioritize work to meet tight deadlines.
- Strong problem solving and teamwork skills. Flexible with changing assignments and priorities
- Familiar with theory or reliability
- Knowledge of CMMI and ISO 9000 standards

MINIMUM REQUIREMENTS NEEDED:

- **Must have 2+ years of engineering school experience and/or hands-on, preferably in electrical/electronic design and/or the manufacturing industry from Accredited College/University or Bachelor's Degree.**
- **Work schedule projected to be 20-40 hours per week (flexible to class scheduling).**
- **COVID-19 Vaccinated.**
- **Completion of Require Predictive Index Assessments (behavior & cognitive), Background Check, Reference, Credit, & Drug Testing**
- **Positions with CME require access to controlled goods and technologies subject to the International Traffic in Arms Regulations or the Export Administration Regulations. Applicants for these positions need to be "U.S. Persons," per regulations. Generally, a "U.S. Person" is a U.S. citizen, lawful permanent resident, or an individual who has been admitted as a refugee or granted asylum. CME cannot accept any person for employment who does not meet employment eligibility requirements, E-Verify verification, and/or is in the U.S. under a student (F1 and/or OPT, J1, or M1) and/or temporary work visa.**

Travel Percentage Required: Minimal & Usually Local to Vendors. 0% -5%

Custom Manufacturing & Engineering, Inc. (CME®) is a 25 year old award-winning Tampa Bay small business which designs and manufactures custom-engineered and build-to-print/spec products/systems. Our team works with aerospace/defense and industrial customers to produce cables & wire harnesses, power supplies & distribution equipment, special test equipment; CME's products are used by the US military and other industries around the world. CME is also a big supporter of STEM as well as sustainable efforts & education including: www.solar4STEM.com

CME is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.