



Electrical Hardware/Software Systems Intern

CMEHR@Custom-mfg-eng.com
3690 70th Avenue North
Pinellas Park, FL 33781
www.custom-mfg-eng.com

Job ID: 2021-25C
Regular/Temp: Internship
Full-Time/Part-Time: Full-time/Part-Time
Submit Reply and Resume to: CMEHR@custom-mfg-eng.com

MUST complete Predictive Index test before applying:

<https://assessment.predictiveindex.com/54R/de91c1f6-f683-4c1d-a42b-ca14242e1f4b?type=candidateba>

Job Summary:

Are you someone who has a passion for solving problems? We have 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 design/development insight on development projects for 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:

- High School or AA/AS degree (trade or tech school) from an Accredited College/University
- Pursuing a BS/MS in Engineering, Electrical/Computer Engineering or another relevant field
- Coursework and general knowledge and understanding of Electrical Engineering and/or Computer Science with both hardware and software background
- 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," as defined in these 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.
- Successful Passage of Required Screenings & Tests: Background Check, Reference, Credit, and Drug Testing

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

An award-winning Tampa Bay small business for two decades, Custom Manufacturing & Engineering, Inc. (CME®) delivers Engineering, manufacturing, test, and calibration/repair services to Government and Industry. Join us at CME, where one can "Use Our Expertise to Design & Build Your Solutions" CME's culture is embodied by Core Values that are focused on: Serving the customer while protecting CME, delivering quality products and services as required, solving problems, working with energy and passion, and encouraging and developing employees that challenge themselves.

As a strong supporter of Science, Technology, Engineering and Math (STEM) and other select charitable initiatives, CME promotes and encourages employee community support to nonprofit organizations or educational institutions, especially for mentoring and school/student support. Most of CME's products and services are focused on the development and manufacturing of energy efficient and sustainable products such as more efficient power supplies, intelligent power distribution units, energy saving solar panels, and other electronic systems, end products, or components. (www.custom-mfg-eng.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.*

*As a U.S. defense contractor CME is also subject to additional rules and regulations regarding the hiring of foreign persons. **In compliance with U.S. federal law, all persons hired will be required to verify identity and eligibility to work in the United States; 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.** For the purposes of clarification, the I-9 defines eligibility of an employee as a: U.S. citizen, permanent resident card or alien registration card (Form I-551), a person with a temporary I-551 stamp on their passport or U.S. immigrant visa, and/or passport from the Federated States of Micronesia (FSM) or Republic of the Marshall Islands (RMI) with Forms I-94 or I-94A indicating nonimmigrant admissions under Compact of Free Association between the U.S. and FSM or RMI.*