JOIN OUR TEAM!
Test & Mechatronics Engineer

About Us

The Bishop-Wisecarver Group (BWG) is a woman-owned family of WBENC certified companies who works with manufacturers to engineer, manufacture, and build linear and rotary motion solutions, custom complex assemblies, and optimal embedded intelligence systems. Through the integration of mechanical, electrical, software, control and systems design engineering expertise, 63+ years of experience and 20,000+ unique clients, we continue to provide a single point of service that results in custom designs, increased efficiencies, and accelerated time to market.

Job Opening

We are looking for a Test & Mechatronics Engineer to work closely with the Vice President of Engineering and Senior Mechatronics Engineers to test products and assist in developing custom intelligence solutions to meet specific customer needs.

Job Responsibilities

I. Engineering

- Assist in developing custom solutions to meet specific customer defined requirements.
- Translate customer requirement to technical/engineering specifications in partnership with the Mechatronics Engineers and Vice President of Engineering.
- Help to develop automated motion solutions using in-house motion components.
- Participate in formal systems design, product, process and certification reviews.
- Work with other Mechatronic Engineers to identify sensors, actuators, switches and control electronics.
- Assist in the development and implementation of control algorithms for optimal closed loop response.
- Develop real-time tools for testing and characterization of linear motion systems in partnership with the Mechatronics Engineers and Vice President of Engineering.
- Work closely with mechanical engineering to incorporate dynamic system requirements into the design process.
- Assist in the design and development of high-technology engineering systems for the automation of industrial tasks.
- Coordinate and assist in the execution of the packaging development and documentation for all Mechatronics owned electrical and electronic devices.
- Assist with production and automation issues that may arise with existing equipment and processes.
- Assist in the development of instruction manuals and run training sessions.

II. Testing

- Conduct testing of current and future products to ensure items perform as expected and to evaluate new possible suppliers.
- Generate reports detailing test and results.
- Quickly test engineering issues that develop from the Applications Engineers.
- Design test fixtures and machines uses Pro-E.
- Provide input and opinions of new designs.
- Help to evaluate RMAs.
- Help to create and maintain trade show demos.

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Minimum Job Requirements

- Degree in Controls/Mechatronics Engineering or a related discipline; Master's degree a plus.
- 0-2 years of experience working as a Servo/Mechatronics engineer or intern.
- Understanding of dynamic systems and mechanical vibrations.
- Understanding in real-time control of mechanical systems ideal.
- Knowledge of various sensors, actuators, and their application.
- Experience with Matlab and Simulink a plus.
- 0-1 + years of real-time programming languages (C++, Labview, etc.).
- Experienced with National Instrument hardware and software tools.
- Familiarity with PLC code and other program languages a plus.
- Excellent verbal, written communication and technical writing skills.
- Proficient in MS Office applications.
- Exceptional analytical and organizational skills.
- Ability to work independently and meet deadlines.

Visit us online at www.bwc.com and connect with us through Twitter, Facebook, YouTube and Blogger.

If this opportunity matches your background and career goals, please reply to this ad with your current resume and a cover letter outlining your professional goals, where you found this ad, and your salary history and requirements.

**In the interest of time, your cover letter, resume, salary history & salary requirements, and incentive compensation MUST be included for your candidacy to be advanced.**

Bishop-Wisecarver Group is an Equal Employment Opportunity/Affirmative Action Employer. We are committed to creating a diverse environment. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.