Ridgetop Group Inc

ENGINEERING INNOVATION

Ridgetop Group, Inc.
3580 W Ina Road Ste 200
Tucson, AZ 85741
www.RidgetopGroup.com

Phone: (520) 742-3300
Email: jobs@ridgetopgroup.com

Job Description: Software Engineer

Position Overview

A Software Engineer at Ridgetop will have the ability to make contributions towards product development and commercialization objectives in order to provide Ridgetop customers with advanced diagnostic and prognostic solutions for critical applications, at its headquarters in Tucson, Arizona.   The Software Engineer will join a team designing new system development, novel diagnostics, and prognostics algorithms for embedded applications. This position requires involvement in all phases of the product development lifecycle, including requirements, design, validation, documentation, release, and maintenance.

Responsibilities

- Develops information systems by designing, developing, and installing software solutions.
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.
- Develops software solutions by studying information needs, conferring with users, and studying systems flow, data usage, and work processes.
- Follows the software development lifecycle.
- Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code.
- Prepares and installs solutions by determining and designing system specifications, standards, and programming.
- Improves operations by conducting systems analysis and recommending changes in policies and procedures.
- Obtains and licenses software by obtaining required information from vendors, recommending purchases, and testing and approving products.
- Protects operations by keeping information confidential.
- Provides information by collecting, analyzing, and summarizing development and service issues.
- Accomplishes engineering and organization mission by completing related results as needed.

Qualifications and Requirements

- BS with 3 or more years of relevant industry experience
- Very strong programming and analytical skills
- Strong background in probability and statistics
- Experience in system modeling and optimization
- Strong rapid prototyping skills for GUI design and development
- High level of personal drive and self-motivation
- Commitment to continuous improvement
- Strong communication skills, both written and verbal
- Strong background in Software design, debugging, documentation, testing, and customer deployment

Additional Preferred Experience and Skills

- MS in Electrical, Computer, Mechanical or Aerospace Engineering, Computer Science or in a related field.
- Statistical estimation, filtering, pattern recognition, classification, predictive analytics
- Fault detection and diagnosis methods
- System diagnostics and prognostic expertise

- Reliability analysis
- Digital signal processing algorithms
- Proficiency in LabVIEW and CVI
- Embedded programming skills a plus
- Experience in power systems and electrical engineering systems a strong plus
- Experience in Prognostics Health Management (PHM) industry

Position Type / Expected Hours of Work

This Full-Time Employment opportunity is expected to maintain 40 hours per week during regular business hours.

Benefits and Compensation

For Full-Time Employees the Company offers a competitive salary and comprehensive benefits program, including health/dental insurance and an employer match to retirement fund. Compensation is DOE.

Job Location

Corporate Headquarters, Tucson, Arizona.