Hemisphere GNSS

Job Title: Senior Software Engineer
Location: Scottsdale, AZ or can be remote in USA or Canada
Department: Engineering
Reports To: CTO

To Apply send your resume to: Aebert@hgnss.com or HR@hgnss.com

☒ **Full-Time**   ☐ **Part-Time**   /   ☒ **Exempt**   ☐ **Non-Exempt**

Essential Duties and Responsibilities

- Software design and development for scientific data processing
- Research on advanced methods to boost computational performance for scientific data processing
- Provide recommendations on software structure and algorithm improvement of existing software
- Ensure software development is performed in accordance with defined specifications and guidelines
- Oversee and ensure software algorithms adhere to the defined software coding standards
- Perform code review and build unit test for new code
- Improves operations by conducting systems analysis; recommending changes in software development guidelines, standards and procedures
- Develops software solutions by studying information needs; studying systems flow, data usage, and work processes; investigating problem areas; following the software development lifecycle
- Support operational data processing system and software maintenance
- Deliver documentations on software design, architecture and testing as needed

Supervisory Responsibilities

This position will not supervise direct reports.

Education and/or Work Experience Requirements

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/or Experience
- Bachelor's Degree (or above) in Engineering, Math, Physics or Computer Science
- At least 5 years of experience (2 years with a Masters) in software design and development, and system analysis
- Experience with Linux OS
- Experience working with binary data decoding and encoding
- Experience implementing multi-threading concepts
- Knowledge and experience in software development life cycle, unit testing, continuous integration (Jenkins/GIT), and problem solving
- Experience using software version control, such as SVN, TFS or/and GIT
- Strong collaborator and able to work in a multi-disciplinary team
- Strong analytical and troubleshooting skills
- Quick learner and self-motivated
- Experience in hands-on development and troubleshooting

Practical/Technical Skills
- Familiarity with GNSS systems and concepts is preferred but not required
- Strong documentation and writing skills

Computer Skills
- Strong programming experience in C and C++ and Python
- Basic knowledge in Fortran and Perl is an advantage
- Working knowledge in Linux and Windows OS
- Proficient skill level in Microsoft Office Suite – Word, Outlook, PowerPoint and Excel

Certificates, Licenses, Registrations
- N/A

Language Skills
- Excellent verbal and written communication skills, including ability to effectively communicate with internal and external customers
- Ability to effectively present information to customers, clients, management, board of directors and other employees of the Company in small group situations, public groups, and/or one on one

Reasoning Ability
- Ability to define problems, collect data, establish facts, and draw valid conclusions
- Ability to read, analyze, and interpret advanced scientific and technical journals, and to respond to common inquiries or complaints from customers or regulatory agencies
- Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables
- Ability to write technical documentation in a clear and concise manner

Other Skills and Abilities
- Excellent attention to detail
- Ability to work well within a team
- Must be able to work under pressure and meet deadlines, while maintaining a positive attitude and providing exemplary customer service
- Ability to work independently and to carry out assignments to completion within parameters of instructions given, prescribed routines, and standard accepted practices
- Ability to handle high level of confidentiality regarding product information
- Excellent planning, time management, communication, and decision-making skills
- Ability to work with minimal supervision
- Must be flexible and can adapt to a changing environment
- Strong organizational skills with ability to prioritize tasks as appropriate