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