Hemisphere GNSS

Job Title: GNSS SW Engineer/Developer
Location: Calgary, AB or Scottsdale AZ main offices, but can be remote in Canada or USA
Department: Engineering
Reports To: GNSS Engineering Manager

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

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

Summary

As part of the Advanced Algorithms Group, the GNSS SW Developer will deliver state-of-art Real Time Kinematic (RTK) and Precise Point Positioning (PPP) algorithms and software that are critical to all Hemisphere GNSS products.

Essential Duties and Responsibilities

• Research, develop, simulate, implement, and test innovative ideas to improve Hemisphere’s RTK and PPP algorithms
• Develop complex software in C, C++, MatLab, or other selected languages in accordance with applicable software development methodology and release processes
• Test and improve code quality
• Provide reliable solutions to a variety of problems using sound problem solving techniques
• Problem investigation, root cause analysis, and corrective actions
• Work collaboratively and professionally with other associates in cross functional teams to achieve goals
• Participate in the creation of publishing material such as white papers
• Attend technical conferences on behalf of the company when necessary
• Present technical papers at conferences when necessary
• Maintain company quality standards
• Other duties as assigned
• Minimal travel required (5%)

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

• Ph.D. or M.Sc. in Engineering, Mathematics, or related field
• Experience developing RTK, PPP, or related precision positioning technologies
• Experience in embedded software development
• Experience working in a team environment using a software version control system
• Experience in hands-on development and troubleshooting on embedded targets

Practical/Technical Skills

• Proven experience in embedded systems design with pre-emptive, multitasking real-time operating systems
• Familiarity with GNSS systems and concepts is required
Computer Skills
- Strong programming experience in C and C++ in an embedded systems context
- Experience with C# in a desktop application context is also preferred
- Proficient skill level in Microsoft Office Suite – Word, Outlook, PowerPoint and Excel
- Internet search processes and research abilities

Certificates, Licenses, Registrations
- N/A

Language Skills
- Excellent English 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