

## Systems Engineer – Position and Navigation

### The Company:

UK based company well established in the sales and manufacture of navigational systems. The main lines of products are GNSS (Global Navigation Satellite Systems) precise positioning solutions including receivers, inertial products, related items, and bespoke software.

### Job Brief:

The System Engineer will research, develop, test and support activities in the field of Position and Navigation. This role will include development of algorithms, test routines and supporting statistics.

<p><b>Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Development             <ul style="list-style-type: none"> <li>• System Design, Development &amp; Testing of Position and Navigation products</li> <li>• Development of software through stable, reliable, readable C/C++, Python code.</li> <li>• Contribute to all stages in the delivery of customer focused research, development, consultancy, and product support activities in the field of Position and Navigation.</li> <li>• Documenting completed work to satisfy internal QA requirements.</li> <li>• Capture &amp; Analysis of customer requirements, interpreting these to define clear road maps.</li> <li>•</li> </ul> </li> <li>• Collaboration             <ul style="list-style-type: none"> <li>• Leading and contributing to projects, work packages and bids</li> <li>• Working well as part of a team</li> <li>• Liaising with the customer and working with the team to define requirements and objectives.</li> </ul> </li> <li>• Governance             <ul style="list-style-type: none"> <li>• Working to appropriate standards and practice across the department.</li> <li>• Ensuring conformance with good OOO / structured design practices.</li> </ul> </li> </ul> <p><b>Interactions:</b></p>	<p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>• Strong mathematical modelling skills, production of sophisticated real time algorithms, to solve complex iterative calculations.</li> <li>• Knowledgeable in Geomatics / Survey Mathematics and Statistics (qualification or experience)</li> <li>• Knowledgeable in data analysis</li> <li>• Experience may have been gained in land/hydrographic survey or the automotive industry or similar.</li> <li>• Writing and testing software applications</li> <li>• Commitment to learning new skills and technology.</li> <li>• Windows and Linux</li> </ul> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Embedded TCP/IP, UDP/IP, RS232, RS422, USB communications knowledge experience</li> <li>• Experience using Git.</li> <li>• Clean driving licence</li> </ul> <p><b>Education:</b></p> <ul style="list-style-type: none"> <li>• A degree or equivalent qualification (relevant experience analogous to degree level education would count as an equivalent qualification) in Computer Engineering or related discipline.</li> <li>• A Level Geometry and Algebra</li> </ul>
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<ul style="list-style-type: none"><li>• Research and development,</li><li>• Developing, testing, documenting, and modifying software including:<ul style="list-style-type: none"><li>○ Applications using C/C++, Python</li><li>○ Cross-platform C/C++ applications</li></ul></li><li>• Technical and customer support</li><li>• System/functional testing of FSL products / software</li><li>• Assisting with integration of software and hardware</li><li>• Required to support work on general product engineering and development tasks</li></ul>	
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Salary dependent upon previous experience and qualifications.

Please apply in writing with CV including salary expectations to [careers@forsbergpnt.com](mailto:careers@forsbergpnt.com)