



Job Title: Systems Engineer
Location: US-Santa Clara
Department: 2050-Systems Engineering
FLSA: Exempt
Reports to: Manager, Systems Engineering

About SiTime

[SiTime Corporation](#) (NASDAQ: SITM), a MEMS (Micro Electro Mechanical Systems) and analog semiconductor company, offers the industry's best performing, most advanced, and most reliable timing solutions. Our team is passionate about solving the most difficult timing problems in high-performance electronics. We have shipped over 1 billion units to customers worldwide, have 90% share of MEMS timing

Job Summary

The **Systems Engineer** is responsible for productizing of SiTime's revolutionary MEMS-based timing products. Responsibilities include mixed-signal characterization, systems / algorithms / firmware development, hardware and software infrastructure development for test automation, cross-functional interaction with MEMS/CMOS/Operations/Marketing, and prototyping of test and FA methodologies. In addition, he/she will lead experiments to prototype new system architectures for future products and technologies.

Responsibilities:

- Design and implement test automation to characterize and release into production a variety of MEMS based, mixed-signal timing devices
- Develop and carry out experiments to prototype new technologies and system architectures
- Work with team to design, develop and validate PCB test platform and firmware to enable automated testing
- Develop and transfer algorithms to final test and production environments
- Work with MEMS and circuit design team to evaluate new silicon and specify design improvements for performance enhancements
- Perform engineering failure analysis to root cause product issues
- Contribute to other projects as needed by management or as business needs change

Required Attributes:

- MS in Electrical Engineering or Mechanical Engineering. PhD preferred. Exceptional candidates with other technical backgrounds will be considered
- Fundamental knowledge and understanding of mixed-signal circuits
- Excellent programming skills, including Python and MATLAB scripting
- Hands-on experience with electronics laboratory bench instrumentation including oscilloscopes, digital signal analyzers, etc.
- Strong statistical analysis and problem-solving skills

Desired Attributes:

- High level of self-motivation and drive to make an impact
- Programming ability in micro-controllers, C or C++, SQL
- Well-developed written and verbal communication skills
- Ability to work well with others in a collaborative, fast-paced team environment
- Familiarity with MEMS characterization and testing

To apply for this position, send your resume to jobs@sitime.com.

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