



SI2 Technologies, Inc.

**267 Boston Road
N. Billerica, MA 01862**

Electrical Engineering Intern

SI2 Technologies, Inc. (SI2) develops, delivers and supports advanced electronic systems, particularly sensors, antennas, arrays and absorber systems, for our customers in the defense and aerospace markets. In the defense market, our solutions enhance the warfighter's effectiveness while providing increased protection against current, new and emerging threats. Our current portfolio of projects includes leading edge programs developing flexible, conformal and low-profile electronic systems for DARPA, Air Force, Navy, and Army.

SI2 is seeking highly inventive and motivated candidates for a summer engineering internship/co-op position in our R&D Group. To be successful in this position, candidates must be innovative, enjoy learning and expanding their knowledge base, and thrive on solving challenging design, materials and/or process issues. In addition, good written, oral and presentation skills are required to properly define and understand the problem and potential approaches to solving it. SI2 will provide hands-on training and mentoring in the above activities to ensure a successful experience for both the engineering intern and SI2.

Potential project work includes the following:

- J Modeling and simulation of electrical devices and systems using state of the art numerical tools, such as HFSS by Ansoft, CST Microwave Studio, and Microwave Office by NI/AWR.
- J Schematic capture and preparation for board layout and assembly, using tools, such as OrCAD Capture.
- J Hands-on laboratory work including hardware assembly and integration and test measurements.
- J Development of firmware and software codes to support test and measurement activities.
- J Data reduction and analysis using computer tools, such as MATLAB.
- J Internal presentations and written reports on results, progress, issues and potential approaches.

Skills and Experience

The successful engineering intern candidate will have the following qualifications:

- J Due to the nature of our work, **US citizenship is required.**
 - J Enrolled in an electrical or computer engineering program with course work covering RF fundamentals and/or programmable logic design
 - J Aptitude for learning new software tools; working knowledge of MATLAB and/or other computational tools
 - J Proficient with Microsoft Office (Word, Excel, PowerPoint)
 - J Programming experience, especially in C and/or Java, is a plus for this position.
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- J Good organizational, presentation and writing skills; self-motivated, creative, open to new ideas; enjoy teamwork and excel in a dynamic multi-tasking environment.

To Apply for this Position

Please send your resume and statement of citizenship to jobs@si2technologies.com.