



## **Algorithm/Software Developer**

IvySys Technologies, LLC is a world-class leader in networked intelligence, surveillance, and reconnaissance (ISR) system solutions and consulting services with primary application to national security critical challenges. Located in Arlington, Virginia, IvySys is seeking to hire Algorithm Software Developers to further our world class technology leadership in SIGINT, MASINT, wireless communications and networking, and tagging, tracking, and locating (TTL) technologies for US Government and commercial R&D organizations.

### **Position Description:**

Complete the design, development, and testing of advanced signal processing software algorithms for signal-exploitation applications in a team-oriented environment. Implement novel signal detection, classification, geolocation, and tracking algorithms in Matlab & C++ in support of real-time ISR system development activities. Assist with the documentation of preliminary and detailed software designs. Interface regularly with other expert DSP algorithm developers to efficiently transition Matlab algorithms into C++ for real-time performance.

### **Qualifications:**

Education: M.S. in electrical/computer engineering or computer science.

### **Required Experience:**

- Highly desirable candidates will have a minimum of 2 to 3 years' experience developing real-time DSP software applications in C/C++ and/or Matlab or JAVA.
- Knowledge of advanced digital signal processing concepts and techniques.
- Demonstrated experience in the use of advanced software engineering techniques, theories, precepts, and practices.
- Demonstrated ability to excel in a research and development client-centric environment; including the ability to plan and coordinate work.
- Excellent oral and report/proposal writing skills.

### **Security:**

All applicants selected will be subject to a Government security investigation and must be US citizens able to meet the eligibility requirements for access to classified information. Desired: TS/SCI current or eligible

Pay, Benefits & Work Schedule:

IvySys offers a highly competitive compensation package including an annual performance-based bonus program. Our benefits package is designed to ensure a healthy work/life balance; and include company-paid employee health, dental, life and disability insurance, a matching 401K program and 4 weeks/year vacation leave; and flexible work schedules.

To explore a career at IvySys, please send your resume or CV to [resume@ivysys.com](mailto:resume@ivysys.com)