



## **ANTI-TAMPER SYSTEMS ENGINEER**

Resonant Sciences is a world-class research and development firm located in Dayton, Ohio focused on developing and transitioning innovative technologies and solutions to developmental and operational platforms. Our areas of expertise include FSS radome and antenna design and fabrication, custom electronic solutions, and inhouse RF measurements of materials, antennas, radomes, and subsystems. Our technical staff are nationally recognized for contributions to their respective areas of specialization.

### **POSITION OVERVIEW:**

Resonant is looking for an Anti-Tamper (AT) Systems Engineer candidate to join a multi-discipline engineering team that supports hardware and software development. We are seeking engineers with education and experience to work in a fast-paced RF laboratory developing, building, and testing custom electronic systems.

The selected Anti-Tamper Engineer will have responsibility for and should have expertise in the following areas:

- Secure system architectures
- Define AT and system architectures
- Hardware-focused anti-tamper techniques and countermeasures
- Advanced Microelectronic design and fabrication
- Digital logic debug and analysis
- Advanced integrated circuit (IC) failure analysis tools and techniques
- Applied knowledge of cryptographic security
- AT studies in accordance with Government and industry processes including, trade studies, research areas, and detailed analysis of system design to include microelectronic implementation and software implementation as well as system integration, verification and validation, and cost and risk.
- Deriving and documenting AT requirements for systems
- Preparing and presenting briefings to internal and external programs and customers
- Generating AT Plans
- Strategic planning of AT technology development
- Participating in communities of practice to further domain knowledge



- Working with engineers experienced in RF design and testing, circuit board design, FPGA development, and software development to migrate capabilities from a lab environment to deliverable custom products.
- Analyze design risks, anticipate and mitigate risks when possible, and report concerns to supervisor.
- Work efficiently in an environment without the need for regular, direct oversight.

### **QUALIFICATIONS:**

- BS or Advanced Degree in Engineering, Software, or Sciences with at least five years of specific anti-tamper experience
- Must be eligible to obtain and/or maintain a Secret Clearance. Active clearance is preferred
- Experience working with Government AT agencies is preferable
- Writing and communication skills with experience contributing to and/or making technical presentations to internal and external customers.

### **WHAT'S IN IT FOR YOU?**

- Become part of a high-tech work environment that is highly impactful, exciting and collaborative.
- Flexible working environment that enables our employees to balance work and personal life.
- A comprehensive benefits package that includes medical, dental, vision and prescription benefits with extremely low employee cost share for you and your eligible dependents.
- A well-funded Health Spending Account with standard account fees paid by Resonant Sciences.
- 10 Federal Holidays (6 Standard, 4 Floating).
- A flexible Paid Time Off plan for employees.
- A generous retirement plan, subject to plan, IRS and ERISA rules.