



## Wireless System Engineer/Analyst

### **Position Description**

Shared Spectrum Company is seeking highly motivated mid-level individuals who will perform as part of a dynamic team developing the next generation of commercial and military wireless networking. The successful candidate will develop simulation models for evaluating predicted system performance, design signal processing software, and support system test and evaluation for advanced communication systems built upon innovative spectrum sharing methodologies. Participate in the entire product life cycle including system architecture development, signal processing designs, and hardware test and evaluation.

### **Responsibilities**

- Develop statistical models and simulations to evaluate system performance under a wide range of RF signal environments and conditions
- Conduct and evaluate analysis of system and signal processing performance from simulation and hardware testing
- Understand customer and/or project needs to define, design, and implement system components and test plans
- Participate in hardware testing in laboratory and field test environments
- Develop data analysis models for processing and evaluating test and measurement data
- Interact with internal and external engineering teams to define, implement, and analyze interfaces with other system elements
- Provide recommendations and communicate results through technical report writing and presentations to both technical and non-technical audiences
- Provide mentorship to junior members and leadership to the team

### **Experience Requirements**

- Experience in applying communications theory to RF propagation and signal processing modeling
- Ability to develop simulations and data analysis techniques in MATLAB, Python, and/or C++
- Testing experience in both laboratory and field environments
- Experience with using test equipment such as spectrum analyzers, signal generators, oscilloscopes, and network analyzers
- Experience in the design and development of Software Defined Radios
- Strong verbal and written communication skills
- Demonstrated ability to collaboratively work in team environments
- Demonstrated ability to develop and evaluate solutions to complex problems



## **Education and Other Qualifications**

- Required: US citizen
- BSCS or EE, MS preferred
- DoD SECRET clearance (a plus, but not required)

## **We Offer**

- Competitive pay and benefits package
- Medical insurance
- 401(k) plan
- Paid vacation and holidays
- Free parking
- Easily accessible to DC and VA (walking distance to Spring Hill Metro station)

The ideal candidate would live in the Northern Virginia/Greater Washington DC area.

## **To Apply**

Email resume and letter of interest to [jobs@sharedspectrum.com](mailto:jobs@sharedspectrum.com)

## **Company Description**

Shared Spectrum Company (SSC) is a pioneer in the development of innovative wireless advanced technologies that are revolutionizing the military and commercial use of spectrum. SSC has a unique technology culture focused on technical excellence, innovation and execution. This is a unique opportunity to gain invaluable experience in one of the most important technological advancements in wireless communications technologies today. SSC is an Equal Opportunity Employer.