

## DIGITAL SIGNAL PROCESSING ENGINEER

Augustus Aerospace Company is a premier provider of high-performance software-defined radio payload and processing solutions deployed in small satellites and high-altitude platforms for U.S. government customers. We also develop sophisticated electronically steerable apertures and implement powerful coprocessor capabilities. We are experiencing rapid growth and are seeking talented and motivated scientists, engineers, and support staff to help us solve challenging technical problems and build our capabilities.

*\*\*\*\*Take your career to the next level with Augustus! Supra stellas\*\*\*\**

### **Day-to-Day of our DSP Engineer:**

You will be part of a tightly integrated team that designs and develops processing algorithms and test code for sensitive detection and accurate identification of signals of interest in complex RF environments. You will also help to develop novel waveforms to support unique mission requirements of our customers. Specific DSP functions include accurate measurement of signal frequency, bandwidth/ baud rate and determination of modulation and time of arrival. You will help implement, test and document optimized software modules that provide key functionality and will work closely with our software, firmware, and production teams to integrate functionality and verify performance. You will also have opportunities to participate in program reviews with US Government officials to include presentation of development status and performance results. Your primary work location will be at our Lone Tree, CO headquarters in the metro-Denver area. On occasion you will work with our production team in Colorado Springs. Your travel outside of CO will be limited to a few times a year at most.

### **What you'll be doing:**

- Design and develop algorithms and test source code for digital signal processing and communications applications
- Design and perform software module testing
- Document design and code including theory of operation
- Test embedded products with other software modules and hardware

### **To be Successful (required):**

- 3+ Years Experience in Digital Signal Processing
- Strong technical background in DSP and communications theory
- Strong programming skills in languages such as C, C++, Python and Java
- Bachelor's degree in computer science or electrical engineering
- Excellent written communication skills
- Ability to obtain and hold a SECRET-level security clearance

**Preferred:**

- 3-7 years of relevant experience DSP algorithm development
- Some experience with RF geolocation techniques
- Familiarity with RF circuit design
- Understanding/background in antenna theory
- Familiarity with embedded programming and FPGA/ARM and GPU-based signal processing
- Ability to obtain and hold a TOP SECRET-Level 2 security clearance (with SCI access)

**Contact us!**

Please send us your resume to be considered for our Digital Signal Processing Engineer position.

*It has been, and will continue to be, the policy of Augustus Aerospace not to discriminate against any employee or applicant for employment because of their race, color, religion, national origin, age, sex, sexual orientation, gender identity, gender expression, veteran status, disability, or other legally protected status.*

**Salary:**

Our anticipated base salary range is \$120,000-\$175,000 for this position but is dependent on your specific skills and experience. In addition to subsidized group insurances, we provide many benefits such as annual bonuses, tuition for advanced degrees and flexible work arrangements.

**Benefits:**

Simple IRA & Simple IRA matching

Dental insurance, Health insurance & Vision insurance

Paid time off

Flexible schedule

Professional development assistance

Tuition reimbursement

Referral program

Relocation assistance