

Company: Advanced Simulation Technology inc. (ASTi)  
Position: Software Engineer  
Type: Full Time  
Location: Northern VA/Washington DC area  
Experience: BS or MS Electrical, Computer or Software Engineering, Computer Science

### ***Who is ASTi?***

ASTi has been a market leader in the Simulation and Training industry for 20+ years. Our communications, radio, audio, & network simulation hardware & software products have become the standard by which others in our industry are measured. As a relatively small high-tech firm, we focus on customer requirements, use of emerging technologies, and reliance on the creativity, talent, drive, & integrity of our employees. Just as important, we achieve our success without "big company" distractions, bureaucracy, or politics.

### ***Is ASTi Right for You?***

As an ASTi employee you will:

- Work with and apply emerging technologies
- Be exposed to the business side
- See the effects of your contributions and innovations in our products
- Carve out a niche and take charge of your own work
- Work with other top-notch engineers
- Have responsibilities from day one
- Not be an engineer in a sea of cubicles
- Enjoy a relaxed work environment with flexible hours

### ***What technologies do we work with?***

- Military and Commercial communications equipment
- Real time and embedded systems
- Audio Modeling and Analysis
- DSP/Signal Processing
- Networks and low latency Network Communications
- Text-to-Speech and Speech Recognition
- Radio and Communications Simulation and Modeling
- Automated Software Testing
- Advanced User Interfaces
- Voice over IP
- Linux, Python, C, and Web

### ***Job Description:***

We are currently looking for multi-talented engineers who want to do more than just cut code. We want individuals who are driven to understand the "big picture" requirements of our market and utilize that knowledge to shape the future direction of our products. ASTi Software Engineers:

- Create network wide, real time voice communication solutions.
- Implement voice compression algorithms for efficient bandwidth utilization
- Develop networked real-time embedded systems
- Build user-friendly GUIs for complex systems
- Optimize digital signal processing and multi-core real time software
- Closely support ASTi Application Engineers working with customers
- Design and debug optimum network topologies for audio applications
- Create sophisticated models of new radio communication systems
- Develop detailed mathematical models of engine and rotor acoustics
- Help create intelligent network routing and filtering products for the Simulation Industry

***Requirements:***

- Passion for building great products, i.e. the desire to get it right, not just done
- Experience with: C, C++, Python, GTK, Linux and Windows Dev.
- BS or MS in Electrical, Computer, or Software Engineering

***Enjoy a relaxed work environment:***

- Relaxed atmosphere - shorts, t-shirts, and sandals.
- Flexible work hours
- Small company environment, no red tape, bureaucracy, or politics
- Be noticed for your efforts and contributions and make a difference – every day.
- Show your stuff, carve out a niche, and be in control of your own career
- Live and work in the lively Washington DC area

***Benefits:***

- Start with four weeks vacation and go to five after three years
- 100% Company funded pension plan
- Merit-based bonus systems
- Comprehensive medical benefits package
- Subsidized Health Club Membership
- Company funded social events

***Want to know more?***

Check us out at [www.asti-usa.com/jobs](http://www.asti-usa.com/jobs) and send us your resume: [jobs@asti-usa.com](mailto:jobs@asti-usa.com). Please include “Software Engineer” in the subject.