



SYSTEMS ENGINEER POSITION

in Cincinnati, OH

Job Description

We are looking for skilled, motivated, and talented people to join our growing team to push the limits of the latest technology and create novel solutions with real-world applications.

GIRD Systems is seeking a Systems Engineer for Cincinnati, OH. The Systems Engineer will develop system requirements, conduct systems-level analyses, study design and implementation tradeoffs, and provide written design/test/analysis documentation and occasional oral presentations. In addition, the Systems Engineer will design and implement digital signal processing (DSP) algorithms that are conducive for implementation in software, firmware and hardware. Algorithm development will focus on the areas of advanced communication modem design, geolocation technologies, interference mitigation/cancellation, and advanced/adaptive signal processing, in general. Design and implementations will address difficult scenarios, with an emphasis on low signal to noise ratio, high interference, and advanced, adaptive modulation and coding techniques.

We are looking for individuals who have demonstrated ability in innovative thinking and versatility in their jobs with experience in the following: novel DSP algorithm development, MATLAB proficiency, simulation and verification, proposal and report writing and building customer relationships. The individual will work within a team environment to achieve high efficiency in solving our customer's formidable challenges and meeting our customer's requirements objectives.

Roles and Responsibilities

- Demonstrated leadership skills/experience in systems engineering, communications theory, digital signal processing, performance analysis and technical team leadership
- Develop/model algorithms and design waveforms in MATLAB and C/C++
- Familiarity with signal processing systems, terrestrial/airborne/satellite transmitter and receiver design including acquisition, tracking and demodulation, link budget analyses, waveform mode adaptation
- Provide concise explanation and design documentation of developed models to enable team members to understand/utilize models or algorithms for implementation
- Develop novel approaches for utilizing COTS and GOTS systems for creating processing solutions outside the intended use
- Deliver effective briefings and to work efficiently in a multidisciplinary team environment
- Travel to support events such as customer site support, proposals, industry days and tradeshow
- Proactively ensure a safe work environment and adhere to GIRD Systems policies and procedures

Qualifications

Minimum Requirements:

- *****US citizenship is required*****
- Bachelor's degree or Master's degree, preferable with work experience, in Electrical/Computer Engineering specializing in wireless communications/DSP/RADAR/location systems in R&D, system design and new product development
- Must be proficient in MATLAB and C/C++
- Excellent written and oral communication skills
- A background developing solutions for military/DoD customers is plus.

Company Description

GIRD Systems, Inc., is a rapidly-growing Cincinnati-based company that specializes in cutting-edge research and development and is a leader in signal processing, RF/digital wireless communications, RADAR, EW, geolocation and navigation, and software defined radio. We design, develop and deliver mission-focused technological solutions and software/hardware products, leveraging the state-of-the-art in software, FPGA/ASIC, digital hardware and RF engineering, system engineering and system integration, toward bringing our signal processing and communications innovations to life. These solutions address critical needs in software defined radio, tactical radio, mission operations and open processing architectures. Our work includes solving some of the most difficult problems facing U.S. Government agencies as well as commercial customers and developing products to meet our customers' needs. Please visit our website at www.girdsystems.com for details.

Our success is a product of our exceptional engineering team and our culture focuses on driving innovation and rewarding excellence. We seek highly motivated, innovative and forward-thinking individuals to grow with the company.

GIRD Systems provides our employees with competitive compensation packages and a full range of benefits, including vacation/holiday, medical, dental, IRA match and tuition assistance. We have a casual working environment with flexible working hours and a culture that emphasizes innovation, teamwork, agility, process and quality. Being a small company, our employees have the opportunity to participate on a variety of projects and make an immediate impact to the success of the project and the company. Our employees are paid overtime for working over 40 hours when needed and all health insurance premiums are paid. We offer a generous profit-sharing plan and encourage employees to bring new product ideas for consideration, not to mention free snacks in the kitchen. Our employees are the key to our success and we seek to hire only the best.

GIRD Systems is committed to hiring and retaining a diverse workforce. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, national origin, disability status, protected veteran status or any other characteristic protected by law.

Contact

Please send resumes to resumes@girdsystems.com