

Digital Signal Processing Engineer I/II

NAVSYS Corporation – Colorado Springs, CO

Job Summary

This engineer will work in a creative hands-on R&D atmosphere with a cross-functional team of hardware, firmware, software, research engineers and program managers. They will contribute to the design and development of PNT as a Service (PNTaaS) and Software Defined Radio (SDR) products leveraging satellite communications systems for PNT. This position is available now as a full-time, long-term engagement.

Responsibilities will include:

- Development of digital signal processing algorithms for advanced PNT as a Service (PNTaaS) applications
- Implementing, integrating, and testing signal processing algorithms into FPGAs for our software defined radio (SDR) products
- Designing and development of Firmware and Drivers for SDR
- Conducting firmware/component level debug and identify solutions to complex problems

Additional Qualifications

- Familiarity with MATLAB DSP and communications toolboxes
- Familiarity with digital filtering, estimation algorithms and code, frequency, and phase tracking loops.
- Familiarity with firmware development for Xilinx, or equivalent, FPGAs
- Familiarity with software development and C++ programming
- Possessing knowledge of satellite communication system protocols such as DVBS2 is desirable
- Strong verbal and written communication skills and ability to work in a fast-paced changing environment are required

Job Requirements

The following are requirements for consideration:

- **U.S. citizenship required** and must be security clearance eligible

- BS degree or higher in Electrical Engineering, Physics, Digital Signal Processing, or other related technical discipline
- Experience with system integration, testing and performance analysis
- Experience in supporting integration of hardware/software/firmware

Salary and Benefits

NAVSYS offers a competitive salary and comprehensive benefits package which includes medical, dental and vision plans, life and STD/LTD disability insurance, a 401K retirement plan, vacation and holiday leave, and an educational assistance program.

Salary: \$80,000.00 - \$110,000.00 per year dependent on experience, skill level, and extent to which the candidate meets desired requirements

Company Summary

Founded in 1986 by Dr. Alison Brown, NAVSYS is an established, growing, and well-respected R&D firm breaking ground in GPS, inertial navigation, and communications products. NAVSYS was the recipient of the prestigious 2007 SBIR Tibbetts Award. NAVSYS offers a learning and development environment with access to cutting edge technology. We are located at the foot of the breathtaking Rocky Mountains in Northern Colorado Springs. If you are looking for an exciting and challenging, fast-paced environment, apply to join our team! NAVSYS is an Equal Opportunity Employer. Read more about our company at <https://www.navsys.com>.