

C++/Python Developer

Department 13 is looking for a skilled C++ and Python developer with a background in DSP algorithm development. The candidate's primary duty will be working with DSP engineers to convert Matlab algorithms to C++ for GNU Radio or standalone applications. The position is located at the Columbia, MD site.

Duties and Responsibilities:

- Port Matlab DSP algorithms to C++/Python
- Optimize existing C++ code for real time execution
- Write pluggable modules for custom Python application framework
- Write C++ and Python unit/integration tests

Required Qualifications:

- Development Skills
 - C++ 11/14
 - Python 3+
 - Read and understand Matlab scripts
- Work in a tight knit, fast paced research engineering team
- Ability to work in a pure Linux environment
- GNU Radio block development
- Security Clearance: Not Required

Optional Skills:

- Experience with Software Defined Radios (Ettus, RTL, HackRF, etc)
- Experience with Radio Frequency communications
- GPU/FPGA development
- Real time software

Education:

- Preferred: BS in Computer Science, Information Systems, or related field (exceptions will be made for individuals with equivalent work experience)

Additional Job Requirements:

- Must be authorized to work in the United States

Benefits:

- Join a dynamic startup
- Flexible work hours and telecommuting options
- Generous vacation policy
- Health insurance
- 401(k) matching
- Competitive salary commensurate with experience and performance