Internship

RF Hardware System Characterization

from October 2022

📍 **Dresden**　　📅 **ideally 6 months**

Background

NI is one of the leading manufacturers in the field of **Software Defined Radios (SDR)**. An important prerequisite for the stable operation of SDRs is the performance of phase-locked loops (PLL). To extend test coverage, we are looking for a student at our Dresden R&D site to write measurement software and execute several test cases.

Your Tasks

- Create RF measurement software in LabVIEW and/or GNU Radio
- Write driver to control 3rd party equipment
- Documentation of the different development phases and achieved results

Are you interested? Then apply at

ni.com/careers

Your Qualifications

- Student of electrical engineering, communication technology, computer science or comparable, in the 4th semester or higher
- Understanding of RF parameters
- Practical experience in programming
- Fluency in English
- Compulsory internship (duration: from 3 to 6 months)

Additional Qualifications:
- Experience in Python
- Experience with RF measurements equipment (Signal Analyzer and Signal Generator)
- Experience in LabVIEW

Your Benefits

Imparted practical expertise:
- Opportunity to work with the latest measuring equipment
- Hands-on experience in the lab

In addition:
- Challenging and practice-oriented tasks
- Structured onboarding program
- Dedicated support by professional mentors
- Fair compensation
- Pleasant working atmosphere
- Flexible working hours