

For our location in **Gratkorn, Austria**, we are looking for a

Graduate Radar & Signal Processing Engineer (m/f/d)

We are looking for a Graduate **Radar & Signal Processing Engineer** interested in developing the next generation of UWB sensing systems at NXP Austria. This is an ideal opportunity for graduates with a **strong background in digital signal processing, communications and machine learning** to work on system-level radar algorithms and performance optimization.

Your Responsibilities:

- Develop signal processing algorithms for UWB radar and sensing applications
- Develop algorithms for detection, ranging, tracking and interference mitigation
- Develop system-level radar models and simulation environments
- Apply machine learning to radar sensing, classification and detection problems
- Analyze and optimize radar system performance
- Work with system, RF, firmware and validation teams on future sensing concepts

Your Profile:

- **Technical degree** in Electrical Engineering, Communications, Signal Processing, Physics, Mathematics or related
- Strong knowledge of **digital signal processing** and **digital communications**
- Good understanding of probability, estimation and detection theory
- Basic knowledge of machine learning, classification and regression
- Experience with Python, MATLAB, C/C++
- Strong analytical and problem-solving skills

Nice To Have:

- Knowledge of radar signal processing, range/Doppler processing, CFAR or tracking
- Knowledge of UWB or other wireless communication systems
- Experience applying machine learning to radar, sensor or time-series data
- Knowledge of PyTorch, TensorFlow or similar ML frameworks
- Understanding of RF concepts, propagation, multipath and interference

Please note: The successful candidate may/will be responsible for security related tasks. The assignment may/will be in scope of security certifications, therefore a conscious and reliable way of working is necessary.

For applications in Gratkorn: NXP provides market competitive compensation according to the benchmarking of the electronic and semiconductor industry. Due to the Austrian Equal Treatment Act we are obligated to state the employment group of our applicable collective bargaining agreement (CBA) "Kollektivvertrag für Angestellte Gewerbe und Handwerk und in der Dienstleistung", this position (fulltime) is graded in Employment Group IV. Your individual experiences and expectations will be considered in the application process. Moreover, we provide attractive benefits to our employees like home office, flexible working time, meal benefits and more.

Apply here: Junior Radar & Signal Processing Engineer (m/f/d)