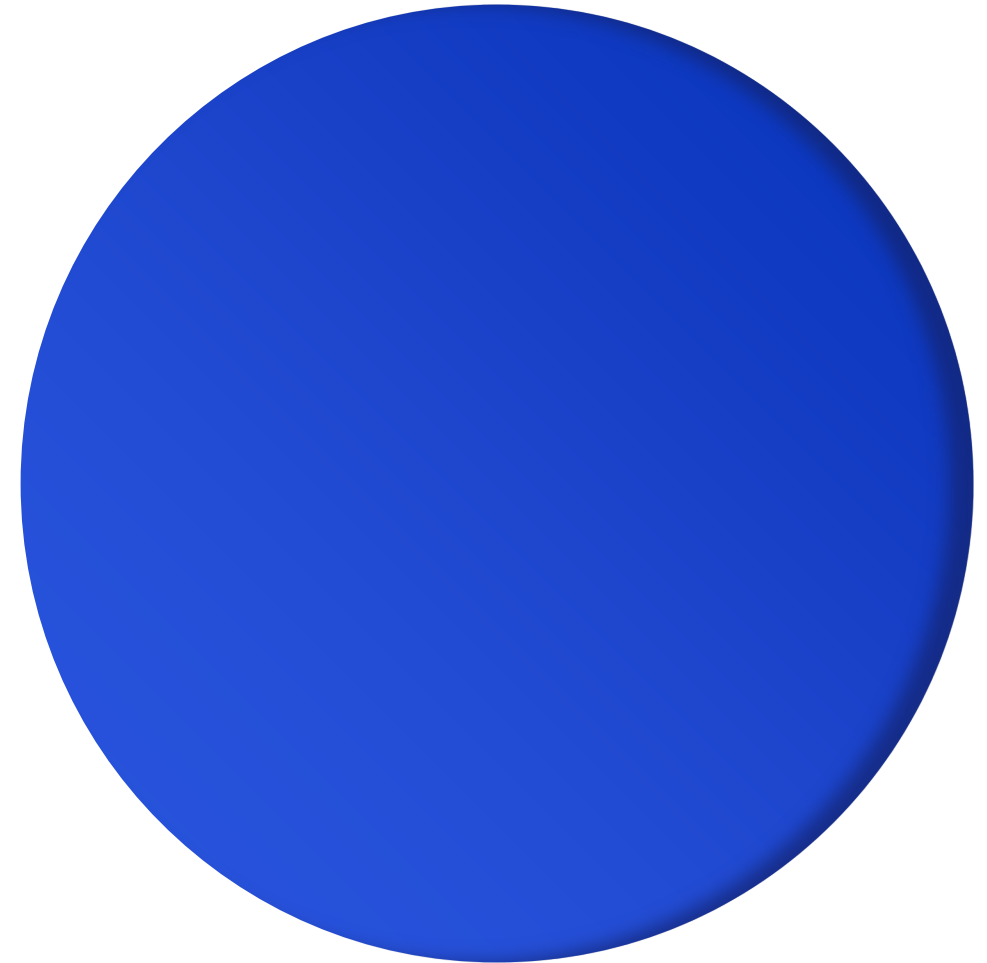


Talent Profile- Wireless Systems





Wireless Systems Engineering

(Talent Profiles)
Technical Track

Minimum Qualifications

- Digital Signal Processing
- Fundamentals of Digital Communications
- Wireless Communication Systems
- Stochastic Process
- Linear Algebra
- Programming skills in C/C++/Python/MATLAB

Additional Qualifications

Machine Learning/AI

- Deep Learning, Reinforcement Learning,
- On-Device Learning, Transfer Learning
- Wireless Domain ML
- Bayesian Optimization, Model optimizations
- Python, Keras, TensorFlow, PyTorch

RF Systems Design

- RF, microwave, antenna theory
- Analog IC Design
- linear systems & Filter Design
- Digital Pre-Distortion

PHY/MAC Design

- Information theory, coding theory, adaptive filtering, signal detection and estimation, digital communications
- 5G, 6G, Wi-Fi systems design
- MIMO, OFDM, Access Techniques, spectrum sharing
- mmWave, THz design, RIS, Beam Forming

Upper Layer & End-to-End Design

- 5G, 6G, Wi-Fi system architecture and protocols
- Mobility, Security, QoS, API, cloud native
- Disaggregated RAN, distributed compute, edge compute.
- Cross Layer optimization for XR, Auto, IOT verticals
- Perception (6DoF, IMU, Camera), Multimedia, sensor-fusion.,

GNSS (Satellite Nav + Location)

- GNSS, Geomatics or Aerospace Engineering
- Algorithms and software development for GNSS, RTK/PPP, Camera/VIO, SLAM, GNSS/INS, MEMS sensor applications
- Detection & Estimation, Navigation and GNSS theory

Masters/PhD: Electrical Engineering, Compute Engineering, Electrical & Computer Engineering, Computer Science

Volume: Medium

Niche Skillset Level : High

Interested In a Wireless Systems Internship?

Please Apply here:

[Wireless Systems Engineering Internship- Summer
2023](#)

REQ# 3042989