Talent Profile-
Wireless Systems
**Wireless Systems Engineering**

*(Talent Profiles)*

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

**Technical Track**

- Machine Learning/AI
- RF Systems Design
- PHY/MAC Design
- Upper Layer & End-to-End Design
- GNSS (Satellite Nav + Location)

**Additional Qualifications**

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

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

- 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

- 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, 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