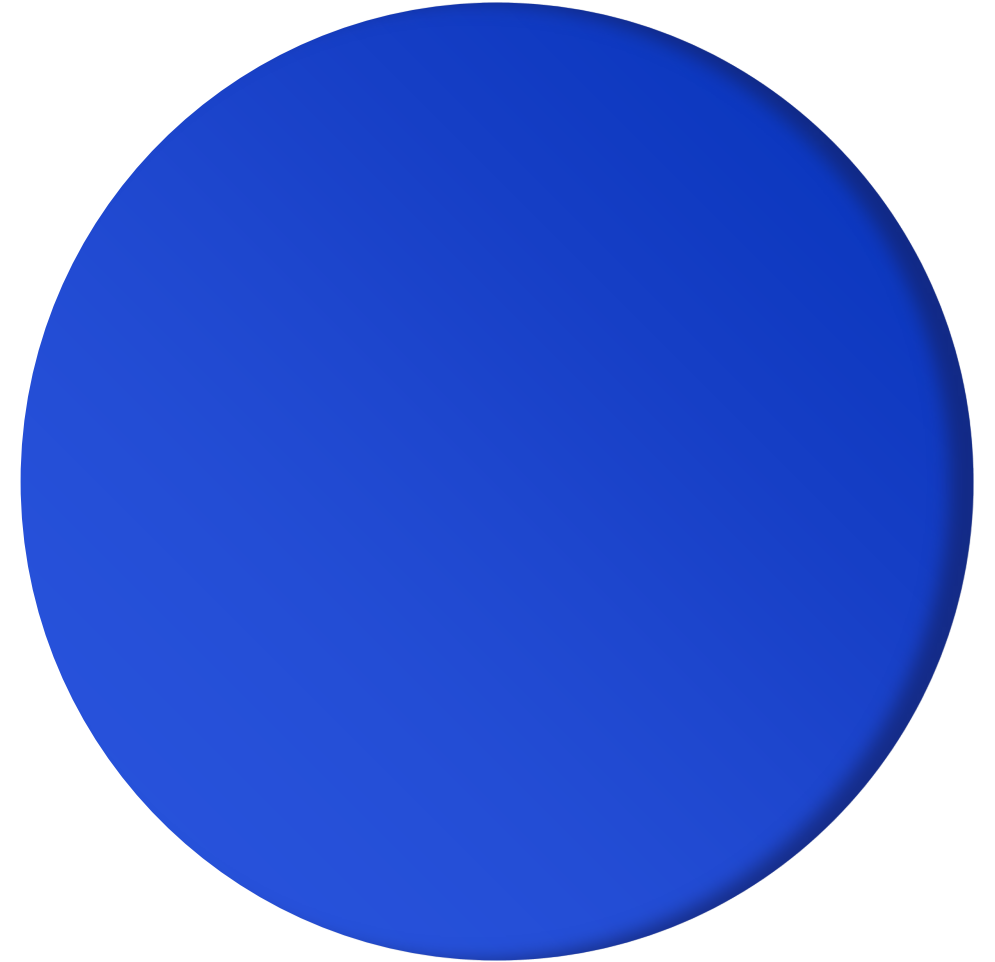


# Talent Profile- Embedded SW/FW





# Embedded Software Engineering

(Talent Profiles)

## Minimum Qualifications

- Programming skills in C/C++/Python/Assembly
- Signal processing, wireless communication, control system
- Embedded system, real-time operating system (RTOS)
- Computer architecture, operating system

## Technical Track

Wireless Communication

Power, Performance,  
Memory

GNSS (Satellite Nav +  
Location)

Embedded SW

Computing/tools

Integration/Test

## Additional Qualifications

- Communication systems, communication theory, digital signal processing (DSP), embedded system
- Knowledge of wireless protocols such as 5G NR, LTE and 802.11
- On-device learning, wireless domain ML
- Comp arch, RTOS, NR 5G/LTE protocols, embedded design
- Software performance analysis and optimizations
- Sw image size compression, and other memory usage opts
- Power analysis and power/performance data mining
- Embedded GNSS receiver software architecture/design
- Measurement Engine, Position Engine and GNSS protocols
- Hands-on experience implementing and debugging GNSS SW
- Real-time operating system (RTOS), computer architecture
- Embedded system design, microcontroller programming
- Proficient programming skills in C/Assembly
- Computer architecture
- Programming languages, tools and compilers
- Continuous integration (CI), DevOps
- Automation scripting in Python/Perl/Javascript
- Knowledge of wireless protocols in WWAN and WLAN

**Bachelors/Masters/PhD: Electrical & Computer Engineering, Computer Engineering, Computer Science**

**Volume: High**

**Niche Skillset Level : Medium**

# Interested in Embedded SW/ Firmware Internships?

Please Apply here:

[Software/ FW Engineering Internship- Summer 2023](#)

REQ# 3042986