About us:

Parallel Wireless is an innovative company in the cellular small-cell business. We're reimagining the architecture of the cellular network to address the existing challenges of bringing cellular coverage to unconnected areas (2G, 3G and 4G) and the future challenges coming with the evolution of 5G. We are a fast-moving, award-winning, amazing technology company, embracing ambitious innovation, cutting-edge technology and customers' success. Lately, we've opened our Israeli branch (central district) which is the main R&D center of the company. We're looking for top talented, creative and ambitious candidates to join our exceptional team.

Open Position: Algorithms Engineer: Physical Layer Signal Processing for Advanced Base-Station Products

We are looking for highly motivated, and passionate, wireless algorithm experts for the design, implementation, and optimization of advanced cellular communication algorithms for our next generation base-station products.

Job Responsibilities:
- Good understanding of the cellular standards and the driven implications on Modem design.
- Develop highly optimized transceiver for the GSM, GPRS, EDGE, WCDMA, HSPA, LTE, LTE-Advanced, 5G-NR wireless standards
- Algorithmic research considering the trade-offs between performance, implementation cost, real-time and time-to-market.
- Algorithms implementation from simulation level to official release, including Matlab/C modeling, specification document, escorting DSP implementation (over programmable DSP) & integration toward high quality release.
- Bring-your-own innovation into our products.

Job Requirements:
- Experience in algorithm development for wireless communication systems.
- Solid knowledge in the physical layer specifications of at least one of the following: 2G, 3G, 4G, 5G-NR - **Advantage**
- Subject matter expertise in channel coding techniques such as Turbo/LDPC/Polar codes – **Advantage**
- Good understanding of the network architectures of at least one of the following: 2G, 3G, 4G, 5G-NR – **Advantage**
- Experience in 3GPP features such as Carrier Aggregation (CA), CoMP, NB-IoT, FD-MIMO and UE-specific beamforming – **Advantage**
- An independent problem solver with excellent mathematical and analytical skills.
- Eager to learn and develop your professional skills in the field of wireless communications
- Excellent communication skills, and ability to thrive in a global multi-site environment

Education:
- B.Sc with a major in communication theory and systems and/or signal processing.
- M.Sc/PhD with a major in communication theory and systems and/or signal processing - **Advantage**

Job Location:
- Israel, central district