System algorithm engineer for our ultrasonic fingerprint sensor team

Qualcomm Israel’s R&D centers in Haifa and Hod-Hasharon serve as hubs of semiconductor innovation in the vibrant Israeli high-tech industry. For more than 25 years, the Israel centers engineers and scientists have continued to develop technology breakthroughs in various areas that enable Qualcomm to deliver value to the Company’s collaborations with device manufacturers and developers.

Fingerprint sensors are a hot item in mobile platforms. Qualcomm’s unique ultrasound based sensors are capable of generating an accurate 3D fingerprint image allowing for high-quality matching and anti-spoofing detection. In addition, the ultrasonic sensor can be placed underneath different materials, such as the display, glass, and aluminum, allowing for an elegant industrial design. For more information, visit: https://www.qualcomm.com/solutions/mobile-computing/features/security/fingerprint-sensors

Qualcomm Israel Fingerprint team is looking for a creative and motivated system algorithm engineer with excellent problem solving and execution skills. The candidate will join a brilliant team of algorithmic/signal processing experts located in our Haifa offices. The team is responsible for the research, development and commercialization of strategic functionality within Qualcomm’s unique Ultrasonic Fingerprint Sensor.

Responsibilities:
- Solve complex signal processing challenges related to ultrasonic signals and the biometric domain
- Come up with innovative ideas for performance enhancements and new roadmap features
- End to end ownership of algorithmic features from concept to commercialization (Matlab to C)
- Work with various customers to ensure smooth integration and successful product launches
- Communicate with the local team (Hod-Hasharon & Haifa) and other Qualcomm global sites

Qualifications:
- Education: B.Sc. or M.Sc. degree in EE, computer science, physics or mathematics
- Up to 5 years of hands-on experience with complex signal processing tasks
- Relevant experience in one or more of the following fields: signal processing, machine learning, and image processing
- Development Tools: Matlab, Visual Studio
- Programming Languages: Matlab, C, python

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