Senior Engineer Application Engineering

Job description

In your new role you will:

- Develop, implement and fine tune software & algorithms for radar sensor technologies and integrate them into consumer/industrial level electronics (ARM /uC based)
- Develop engineering proof of concept prototype, for internal and external customer evaluation
- Support full software lifecycle including design, development, debugging, and testing
- Develop and maintain various engineering tools used to debug, analyze, and test
- Apply your DSP and algorithm experience to drive sensor technology into consumer and industrial systems
- Provide expert technical guidance and support for customer product designs and platforms
- Utilize your expertise to develop and support RADAR sensor algorithms
- Develop, customize, and optimize algorithms specific customer use cases and requests
- Resolve technical problems in customer designs and platforms at all stages of the customer's product cycle
- Create application notes and other tools to aid in the design-in process
- Apply your expertise and skillset to provide technical guidance to the collective team and support our field engineering team
- Collaborate with Product Development and Marketing with new product ideas based on customer's future product requirements and system needs

Profile

You are best equipped for this task if you have:

- Undergraduates in Computer Engineering, Electronics Engineering, Computer Science with strong programming and mathematics skills; Postgraduates is preferred
- 3+ years of relevant working experiences
- High proficiency in RADAR algorithm development, simulation, and testing using MATLAB or Python is required. Similar algorithm discipline, for example, audio signal processing, will also be considered
- Experience using the Git version control or similar tools

At a glance

Location:	**(Hong Kong,)**
Job ID:	**320828**
Start date:	**as soon as possible**
Entry level:	**1-3 years**
Type:	**Full time**
Contract:	**Temporary**

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- Proficiency in C/C++ development for Microcontroller, Windows and Linux platforms
- Experience in Machine Learning topic, including tools like TensorFlow, Pytorch, and Machine Learning models like CNN, is a plus
- Fast learner with can-do attitude, who is open and adoptable to changes, and be able to pick up new technology skills in a short time
- Good interpersonal communication skills and be able to work in team as a team player
- Good analytical and problem solving skill
- Fluent in reading, writing and speaking English and Chinese

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

Power & Sensor Systems
The Power, Sensors & Systems (PSS) division provides besides of high-end power supplies, adapters and chargers many new sophisticated sensor solutions for the mobile phone, consumer and industrial markets.