모집 분야	세부 내용	사업본부/부문					
		H&A	HE	BS	CTO	생산기술원	로봇사업센터
A.I	■ Advanced Algorithm & Control Intelligence - Machine Learning, Deep Learning, Reinforcement Learning - R-CNN, LSTM/GLM, GAN, Auto ML, Meta-Learning, etc.	●	●	●	●	●	●
	■ Cognitive Vision Intelligence - Face Recognition, Vision Feature Extraction, Vision Data Augmentation, 3D Modeling - People tracking, Motion Prediciton, Behavior Algorithm, Path Planning	●	●	●	●	●	●
	■ Voice Intelligence - Legacy and DNN-based Multi-Channel Speech Enhancement - Multi-modal based Speech Recognition, Speaker Recognition - Deep learning based Natural Language Understanding, Dialog Modeling, Trasnfer Learning(word semantics)	●	●	●	●	●	●
	■ Big Data - Data Mining & Pridictive Analysis - Data collection / ETL / Dashboard / Design & Establishment of Data Service Platform - Cloud Server / Modeling / Web Programming	●	●	●	●	●	●
SW	■ OS/Kernel - OS : Android / webOS / Linux Kernel / Device Driver / BSP - OS Kernel / BSP (Memory Management / File System / Open Source Contribution) - Power Saving & Battery Management (Fast Charging)	●	●	●	●	●	●
	■ SW Architecture & Application - SW Training / SW Infra / SW Architecture / SW Process & Tool / SW Test / SDET - SDK / Technical Evangelism / Mobile App	●		●	●	●	●
	■ Middleware - Web technology / Security / Media Streaming - Multimedia(Audio / Camera / Video) - Network & Communication Protocol / LTE-A / Radio / Bluetooth / Wifi, Service / CAN / BAP Protocol / Diagnostic		●	●	●		●
Robot	■ Robotics - Pedestrian / Obstacle / People Recognition algorithm - RGB-D / Stereo Sensor & control - People tracking / Motion Prediciton / Behavior Algorithm / Global & Local Path Planning - Interaction / Image Processing & Computer Vision / 3D Vision Reconstruction / Robotics - SLAM (Simultaneous Location And Mapping) / Global Mapping / Localization - Robot SW Platform Design / Embodiment / BSP Porting / Device Driver Design - Automotive Radar System Radar and Algorithm Development - Mechanism / Circuit / Control R&D / Robot Manipulation	●			●		●
	■ Automation Robotics - Robot Automation / Transferring (Stocker / AGV / Conveyor), Logistics Consulting and Engineering - Robot Motion (3D bin Picking, Flexible Material Handling, Cable locking, etc.) - Auto Teaching / Path-Planning Algorithm (OLP, MIMIC, etc.) - End-effector Design (Gripper, T/F Sensor) - Robot AGV Actuator (Motor / Driver / Encoder) - Robot Application Technology (Assembly, Gluing, Grinding / Polishing, Welding, etc.)	●			●	●	●
Signal Processing	■ Communication & 5G/6G - OFDM, MIMO, Error Correcting Codes, Network Virtualization, Cross-link Optimization, Scheduling, Quantumn Computation, THz, mmWave, FDR, V2X				●		
	■ Media Processing - Video Codec, Point Cloud, Media Orchestration - Audio Codec, Sound Quality Enhancement				●		
Wireless Technology	■ Wireless Technology - Wireless (RF / Antenna Design) Charging Technology - Wireless Charging Coil Design / EMF / EMC				●		
Image Quality	■ Display Device Image Quality Optimization & SW Algorithm Development - Image Processing / Measure and Evaluation / System SW Engineer ■ Monitor Signage - Image Processing & Computer Vision - Speech & Audio Processing - Virtual / Augmented Reality (VR / AR) - Mechanical Design / BLU Design / CAE	●	●	●			

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Production Engineering	■ Advanced Technology - Semiconductor Process(Dry Etch) & Semiconductor Equipment - Applied Optics / Optic Design - AI / Intelligent Algorithm / Machine Learning / Deep Learning / Neural Network - High Power & High Precision Control Design / Design of Precision Mechanism - Atmospheric Pressure Spatial ALD / Large-Area PLD - High-Speed / Low Temp. Sintering of powder or Ink / Paste / microscale Device - Electronic Circuit Design / High Speed Digital Circuit Design / Large Scale Integration - Power Circuit Design / Power Circuit Control / High Power Packaging					●	
	■ Automation Technology - Coating / Dispensing / Bonding / Laminating / Secondary Battery Technology - Printed Electronics Technology / Roll-to-Roll Transferring Technology - Vehicle Components (Motor / Stator / EV Battery) Equipment Technology - Robot Automation / Transferring (Stocker / AGV / Conveyor), Logistics Consulting and Engineering					●	
	■ Process Technology - Patterning Technology / Laser Application / Thermal Process Technology - Vacuum / Deposition / Plasma Application Technology					●	
	■ Inspection & Control Systems - Machine Vision / Image processing / Pattern recognition / Image optics, 3D measurement - Electrical inspection / Sensor application / Inkjet printing - Wireless measurement / Digital signal inspection / Power control / Embedded system					●	
	■ Production Base Technology - Structural / Impact Analysis & Optimization Design / Fluid / Thermal Analysis & Design - Noise & Vibration & Harshness Design Automation & Validation / Prognostic Health Management / Data Analytics - GPU/CPU Architecturing / Parreral Computing Design / AR / VR Programming - Production Environment / Particle Control & Airborne Particulate Monitoring - Welding / Casting / Diecasting / Metal Forming / Molding / Printing / Spray Coating - Glass Forming / Glass Strengthening / Ceramic & Ceramic Spray - Electronic Packaging / Micro-Electronic Joining / Soldering					●	
	■ Production System Engineering - Production System(Manufacturing Process / Line / Factory) Design & Verification - Production & Operation Management / Optimization of Supply Chain Design - Product Architecture Planning & Optimization / Design Standardization / Product Development Process / Procurement Engineering - Quality Management / TRIZ / Statistical Modeling & Mining of Big Data - Equipment SW Architect / Development of Equipment Operation					●	
Material	■ Micro/Mini LED - Optoelectronic Materials and Device - Chip/Package - Nano LED and pixel level Chip Package			●			
Optics	■ Lens Design and Analysis - High Precision Projection Lens - Inspection Optics for 3D-Sensor Camera/Semi-conductors - Photo Lithography System - Auto-Focus System / Optical Alignment system					●	