

사업본부	상세 모집 분야	지원 직무	관련 전공
H&A사업본부 (Home Appliance & Air Solution) 근무지 : 창원/서울	■ Appliance R&D (근무지 : 창원/서울) · Structure Design / Refrigerating Cycle & Thermal Fluid System Development / Dynamic Analysis / Noise and Vibration · Freshness & Hygiene / Thermoelectric Module / Insulation (Urethane foaming, Vacuum insulation)	R&D HW R&D Material	전기전자 컴퓨터, SW 기계공학 소재,재료 등
	■ Appliance Control R&D (근무지 : 창원/서울) · Power Electronics(Inverter/Converter) / Induction Heating / Wireless Power Transfer / Electronic Signal Transceivers(Smart) / Vision Sensor Application / Lithium Ion Battery / Deep Learning / Speech Recognition / Vision (Object Recognition, Human Dectcion)	R&D HW R&D SW	전기전자 컴퓨터, SW 등
	■ Air Conditioning & Chiller R&D (근무지 : 창원/서울) · Thermal Fluid Analysis / Fan Design / Performance Analysis · Computational Fluid Dynamics(CFD) / Computer Aided Engineering(CAE) · Heat Exchanger Design / Optimal Design / Structural Design / Noise and Vibration / Sheet Metal Forming · Inverter System Algorithms / Logic Design / MotorCompressor Design / Smart Sensors / Waste Heat Recovery System / 2 Phase Flow / Heat Transfer / Cooling System	R&D HW R&D SW R&D 기구 R&D Material	전기전자 기계공학 컴퓨터, SW 소재,재료 건축,설비 등
	■ Motor / Inverter / Converter · Motor Design / Motor Cooling Design / Electro-magnetic Analysis · Motor control Algorithm Development / Power Electronic Circuit Design & Control / Inverter Drive System · AC-DC Converter / DC-DC Converter / High Efficiency Converter Topology Design · Wireless Power Transfer	R&D HW R&D SW R&D 기구 R&D Material	전기전자 기계공학 컴퓨터, SW 소재,재료 등
H&A사업본부 근무지 : 서울	■ Robot R&D (근무지 : 서울) · Pedestrian / Obstacle(Detection/Tracking) / People Recognition Algorithm · RGB-D / Stereo Sensor & Control · People Tracking / Motion Prediction / Behavior Algorithm / Path Planning · Image Processing & Computer Vision, 3D Vision Reconstruction · AI (Artificial Intelligence), Deep Learning (Vision, Sensor Data, etc.), Machine Learning · Cloud Server Modeling & Design · SLAM (Simultaneous Location And Mapping) / Localization · Robot SW Platform Design / Embodiment / Verification(Linux OS / Android OS / ROS) · Open API SDK, BSP Porting, Device Driver Design, Application · Mechanism, Circuit, Control R&D (Applications: Service Robots, Industrial Robots etc)	R&D HW R&D SW R&D 기구	전기전자 컴퓨터, SW 기계공학 등
로봇사업센터 (Robot Business Center) 근무지 : 서울			
HE사업본부 (Home Entertainment) 근무지 : 서울	■ SW Security 분야(근무지 : 서울) · Security 취약점 분석 및 패치 / Security compliance 리스크 분석 및 회피설계 / 대응 · Secure coding, Threat Modeling, 개인정보 보호법 이해, GDPR 등 security compliance 이해 ■ SW 콘텐츠 검색/추천, 데이터 분석 서버 개발 (근무지 : 서울) · Machine learning 활용 검색 / 추천, Big Data 분석, 분석 시스템 개발 ■ TV 음성인식 AI -Application/Client/NLP처리(근무지 : 서울) · HTML & Javascript 기반 Web Application 개발 / QML 기반 System Application 개발	R&D SW	정보보안 컴퓨터,SW 전산학 등
MC사업본부 (Mobile Communications) 근무지 : 서울	■ H/W (근무지 : 서울) · RF/Antenna설계: RF 회로 설계, Antenna 패턴/매칭 설계, ESD/EMC 저감 설계 등 · Processor 회로설계: Baseband(AP/Modem) 및 주변 회로 설계, Power Management, HW 성능분석 및 개선 · Analog Circuit 회로설계: Connectivity회로 (Wi-Fi, BT, NFC, GPS등), Core Component 개선(Display, 배터리, 카메라, 오디오, 센서, 터치) ■ Mechanics & Materials (근무지 : 서울) · System/Component Design: HW/부품/기구 간 최적 구조 제품 설계, 재질/표면처리 등을 고려한 부품 설계 · Design Verification: 총격 해석, 구조 분석, 열해석, M-CAD/3D Printer 활용 · 표면처리/성형/소재: 코팅, 프린팅, 마감처리 등 가공/개선, Die-casting, Plastic 성형 고려 사출금형 설계기술 개발, 신소재 발굴 및 응용 개발 ■ S/W (근무지 : 서울) · Android OS기반 Framework 및 Application 개발: Multimedia, Telephony, Security, Connectivity, Intelligent 등 · 무선통신 Protocol: Radio/Data/RF SW(5G), Connectivity(Wi-Fi, Bluetooth, GPS, NFC) 개발 · BSP: Linux Kernel, Device Driver (Camera/Display/Touch 등), Power management 개발 등	R&D HW R&D SW R&D 기구 R&D Material	전기전자 기계공학 컴퓨터, SW 소재,재료 통신공학 등
VS사업본부 (Vehicle component Solutions) 근무지 : 인천/서울	■ Motor (근무지 : 인천) · AC/DC Motor Design / Cooling / Cooling Circuit Design / Permanent Magnetic · B-ISG: Belt-Integrated Starter and Generator · System Reliability Test: Design Verification & Validation / Rotor Dynamic Reliability Design / Analysis / Vibration / Noise · Drive Unit Structural Design & Cooling System Design / Reducer(Decelerator) Design / Thermal Analysis & Evaluation / Structural Design & Analysis ■ Inverter (근무지 : 인천) · DSP / Micom Application Technology Research · Power Electronic Circuit Design & Control / Inverter Drive System · Motor control Algorithm Development(Sensorless / Sensored Control) ■ Converter (근무지 : 인천) · Charger Algorithm Development using DSP / Microprocessor · PFC Control for Single-Phase / Three-Phase / AC-DC Converter · High Efficiency Converter Topology / Passive Element Design & Research · Resonant Converter Design	R&D HW R&D 기구	전기전자 기계공학 등
	■ In-Vehicle Infotainment (근무지 : 서울) · BSP / Kernel / Driver / Power Management / HMI / SWDL / LCD / Touch · Protocol / Radio(DAB/RDS/ WCDMA, LTE) / Bluetooth / WiFi / Network Service(RIL, MBIM) / CAN Communication / BAP Protocol / Diagnostic · Framework / Security / Service / Multimedia / Application(Windows C++/C#, Android Java) · MirrorLink / Linux OS / Micom / C / C++ / C# / Low Level coding / Audio DSP Research / Cordless Charging Technology (Wireless Charging) / Wireless Charging Coil Design · EMF/EMC	R&D HW R&D SW	전기전자 컴퓨터,SW 등
BS사업본부 (Business Solutions) 근무지 : 평택	■ SW Architecture (근무지 : 평택) ■ SW Platform (근무지 : 평택) · webOS Core / Web technology / Security / Media Streaming / SDK / BSP / Linux Kernel / Compiler ■ Data Mining & Analysis (근무지 : 평택) · Data collection / ETL / Dashboard / Design & Establishment of Data Service Platform ■ Network (근무지 : 평택) · 통신표준, 근거리 통신	R&D SW R&D HW	전기전자 컴퓨터,SW 등

사업본부	상세 모집 분야	지원 직무	관련 전공
CTO부문 (Chief Technology Officer) 근무지 : 서울	■ 5G Technology Development & Implementation · 4G / 5G Physical Layer / Wireless Protocol / Network Architecture /Radio Resource Management · Technical Performance Analysis and Verification (Channel Modeling, System-level Experimental Modeling Links) · Implement and Optimize Communications Technology (DSP, FPGA-based Communication Technology Implementation, RF / Antenna Signal Processing) ■ Mobile Communications Physical Layer Standards · Communication PHY / MAC / Information Theory (Multiple Antenna, Carrier Aggregation, Resource Allocation, Duplexing, Multiple Access, Relay, Cooperative Communication, HetNet, Small Cell, Licensed Assisted Access, Machine Type Communication, Device-to-Device Communication, Vehicle-to-Everything, Latency Reduction, Channel Modeling, etc.) · Communication Link / System Simulation Capabilities (C/C ++, Matlab) · Mobile Communication Standard Technology ■ Mobile Communication Protocol Standardization · Terminal / Base Station Protocol (MAC / RLC / PDCP / RRC / NAS) · Packet Data Protocol (TCP / IP Stack, Mobile IP, Packet Based Routing, QoS / Security, etc.) · Mobile Communication System Architecture and Service Requirements · Mobile Communication Standards and Technology ■ IoT / M2M Service Platform Technology Development and Standardization · IoT / M2M Service Platform and API Design (M2M Service Middleware, LBS, Device Management, etc.) · IoT / M2M Application Technologies (Web Services, Semantic, Data Mining, Big Data, etc.) · Communication and Network Theory ■ Next-Generation Wi-Fi Technology Development and Standardization · Communication Network Based on Theory (Communication System, Detection & Estimation, Modulation and Coding, Signal Processing, Data Communication, TCP / IP, etc.) · Communications PHY / MAC theory · The Communication Link / System Simulation Capabilities (C/C ++, Matlab, NS2/3) · Wi-Fi Standard Technical Understanding · Wi-Fi-Based Applications Service Development (Embedded Linux, Android, WPA Supplicant, Linux Device Driver, C, C ++, JAVA) · Next-Generation Wi-Fi Technology Development and Standardization (802.11ax (Next-Generation Wi-Fi), 802.11ay (Next Generation 60GHz), 802.11az (High-Precision Indoor Positioning), Wi-Fi Alliance)	R&D HW R&D SW	전기전자 전파공학 통신공학 컴퓨터, SW 수리과학 등
	■ Bluetooth IoT Technologies and Standardization · Communication Network Based on Theory (Communication System, Detection & Estimation, Modulation and Coding, Signal Processing, Data Communication, TCP/IP, etc.) · Communication PHY / MAC Theory (Modulation, Synchronization, Resource Allocation, MAC protocol, Co-existence etc.) · Communication Link / System Simulation Capabilities (C/C ++, Matlab, NS2/3) · Bluetooth Standard Technical Understanding (Bluetooth BR / EDR, Bluetooth Low Energy, Security, Privacy, Pairing, Application Profile, etc.) · Bluetooth-based Applications Service Development (Embedded Linux, Android, webOS TV, C, C ++, JAVA) · Next-Generation Technology Development and Standardization Bluetooth (Long Range, Mesh, Low Energy Audio, Ultra-Precision Indoor Positioning) ■ Intelligence · Image Processing & Computer Vision, 3D Vision Reconstruction, Robotics · Deep Learning (Vision, Speech, Bio Data, etc.), Machine Learning, AI (Artificial Intelligence), Ontology, Deep Q&A, Topic Modeling · Context Awareness, VR / AR · Data Mining & Analysis, Human Computer Interaction, Speech & Audio Processing · Medical Device, Wearable Device (Human Small Hand-Held Device, Mounting Device), Medical Ultrasound Technology · Bio Signal Processing, Verification, Embedded System Design / Integration / Optimization / Verification · Human Machine Interface (Human Computer Interaction / 3D Graphics / Image Processing & Computer Vision) · Speech & Audio Processing · Learning-based Image Recognition / Processing / Clustering / Semantic Understanding / Computer Vision · Virtual / Augmented Reality (VR / AR) HMD, HUD, Hologram SW Development · Robot / Drone Intelligence (Voice, Vision, HRI), Mechanism, Circuit, Control R&D(Applications: Service Robots, Industrial Robots, Drones, Unmanned Car) · Intelligence & Service (Data Mining & Analysis / Context Awareness / Natural Language Understanding / Machine Learning / Artificial Intelligence / Service Platform)		
융복합 사업개발부문 (Convergence Development Office) 근무지 : 서울	■ Autonomous Vehicle Driving · Mobile Robot or UGV (Unmanned Ground Vehicle) Research · SLAM Algorithm Development / Application · Optimized Path Planning / Tracking Algorithm Research · Proficient C/C++, Matlab, LabView Programming · Embedded Systems Development ■ Autonomous Vehicle Radar / LiDAR Technology · Automotive Radar System Radar and Algorithm Development - Radar FMCW Design, Detection Algorithm, Direction of Arrival, Synthetic Aperture Radar, Tracking Algorithm - Pedestrian Detection, Radar Test & Validation · Car Radar Antenna Design: Patch Antenna, Phase Array Antenna · Development Car Radar Embedded SW - SW Architecture Research, SW Framework Development, Embedded System SW Design Optimization - Micom / DSP Processor, Embedded System Peripheral Interface - SW Development Process & Test · Car LiDAR System and Algorithm Research - TOF Signal Processing, FMCW Design, Detection Algorithm, Direction of Arrival, Classification, Tracking Algorithm - LiDAR Test & Validation	R&D HW R&D SW	전기전자 컴퓨터, SW 수리과학 등
	■ Mechanics / Comp. · Structure Design / Dynamic Analysis / System Integration · Structural vibration / Rotor Dynamics / Active Noise Control · Thermal Fluid Analysis / Heat Exchanger Design / Heat Transfer / Thermodynamics Application / Cooling System / Refrigeration cycle / Air Conditioning · Computational Fluid Dynamics(CFD) / Computer Aided Engineering(CAE) / Optimal Design · Fan Design /Aero acoustics / Performance Analysis · Mechanism Control/Sensor Application / Mechatronics System Design / Robot Intelligence · Metal Material / Electronic Material / Tribology ■ Motor / Inverter / Converter · Motor Design / Motor Cooling Design / Electro-magnetic Analysis · Motor control Algorithm Development / Power Electronic Circuit Design & Control / Inverter Drive System · AC-DC Converter / DC-DC Converter / High Efficiency Converter · Wireless Power Transfer		
	■ Next-Generation Broadcasting Media Standards · Audio / Video Compression and Decompression Standards · Image Processing, Information Theory, Signal Processing, Computer Vision · Video Compression Standard (MPEG2, H.264 / AVC, HEVC and Expansion Technology) Research · Audio compression standard (MPEG2, AAC, MP3, MPEG-H 3D audio, etc.) Knowledge · Matlab and C/C ++ Proficiency Required SIMD / GPU / Multi-Threading RTL Coding of Parallelism Programming · Broadcasting System, Transmission and Service Development and Standardization - MPEG, ATSC, DVB, DTMB, ISDB-T, DAB, World DMB, DASH, W3C Standards · Next Generation of Broadcast Media A/V Channel Coding for Transmission, Transmission Capacity and Waveform, FEC Technique for Improving Reception Performance · Broadcasting, Streaming, Convergence of Standards and Protocols in the IP Networks, Complex extension System · Mobile and Vehicles, Signage and A/V Works Wired/Wireless Protocol and Service · FPGA, Transmit / Receive System Implemented on the DSP System and Digital TV, Broadcast Services in Mobile SW implementation · Ultra-high Resolution and Realistic Leading Media Development and Standardization - HDR (OETF / EOTF modeling), Color Grading, Mastering Techniques, Image Analysis, Tone Mapping - WCG Color Quality Enhancement, Color Volume Mapping, Color Difference Modeling, Color Gamut Design - HFR Video Coding (H.264, HEVC, VP9,etc.) Technology - AR and VR and 3D, 4D and Multi Video Processing Standardization · Programming Skill: Matlab, Visual C · Standardization Based Media Player Storage and Protection - BDA, SMPTE, DECE (UV), RVU, SCSA, Global Platform Standards · IP-based Storage and A/V Content and Operations Management, Service Standards · Content Protection, Protection of IP Flow, CAS, DRM Standards	R&D HW	전기전자 등
	■ SW Platform · OS Kernel / BSP (Memory Management, File System, Open Source Contribution, Security) · Middleware (Graphics, Multimedia, Network & Communication) · Web Tech. (Web Engine, Browser, Web App. Framework, W3C, HTML5, Webkit) · SDK / Technical Evangelism (IDE, Emulator, Evangelism, Documentation) · SW Engineering (SW Training, SW Infra, SW Architecture, SW Process & Tool, SW Test)		

사업본부	상세 모집 분야	지원 직무	관련 전공
CTO부문(계속) (Chief Technology Officer) 근무지 : 서울	■ Cloud Service Platform ·Service Application Architect, Design, and Implement on Public Cloud ·User Management / Device Provisioning & Messaging / Access Control ·Realtime Streaming Data Processing / SQL & NoSQL Database and Bigdata ·Auto Scale / Complex Event Processing / Cloud Rule Engine ·Cloud Security & Compliance Management ■ Big Data ·Analyze data to solve business issues / Data visualization ·Big data analysis and service system development and operation (data collection, processing, storage, utilization) ·Data modeling / optimization engine development ·ETL modules development and tuning and operation of database (NoSQL + RDB)	R&D SW Content & Service	컴퓨터 SW 전기전자 산업공학 통계학 등
소재/생산기술원 (Materials & Production engineering Research Institute) 근무지 : 평택/서울/전국	■ Intelligent Manufacturing & Big Data Technology (근무지 : 서울/평택) ·Precise Measurement / Sensor Application ·Pattern Recognition / Image Data Processing ·Artificial Intelligence(AI) / Intelligent Algorithm / Machine Learning / Deep Learning / Neural Network ·AR/VR Technology ·ICT Platform Planning / Architecturing / IoT / AGV Control System ·Sensor & Physics based PHM (Prognostics & Health Management) ·Intelligent Control / Scheduling ·Statistical Modeling & Mining of Big Data(Product Planning/Design/Manufacturing/SCM/Sales&Marketing) ·Equipment SW Architect / Big Data Analysis System Design & Development of Equipment Operations ·Digital Signal Processing (DSP) ·Fault Detection and Classification (FDC), R2R (Run-to-Run)	R&D Production	컴퓨터 기계 SW 산업공학 등
	■ Automation Technology (근무지 : 평택/전국) ·Coating / Dispensing / Bonding / Laminating / Secondary Battery Technology ·Printed Electronics Technology / Roll-to-Roll Transferring Technology ·Vehicle Components (Motor / Stator / EV Battery) Equipment Technology ·Manipulators, Robot Controller, A.I./Vision, Autonomous Mobile Robots ·Transferring System(Stocker / AGV / Conveyor) ·Assembly line for Increasing per capita productivity ·Logistics Consulting and Engineering	R&D HW R&D 기구	전기전자 기계공학 산업공학 등
	■ Process Technology(근무지 : 평택/전국) ·Patterning Technology (Optics, Opto-mechanical Design, Equipment control, Ultra-precise Mechanical Design) ·Vacuum / Deposition / Plasma Application Technology(PVD, CVD, ALD, High-Vacuum System, Plasma Application/Surface Treatment, OLED Deposition/Encapsulation) ·Laser Application Technology(Laser Processing, Laser Optics - Scanner/Optic Design/Opto-mechanical Design, Control, Image/Vision Processing) ·Thermal Process Technology(Thermal/Flow Analysis, Low Heat Treatment Technology)	R&D HW R&D 기구	전기전자 기계공학 소재,재료 등
	■ Inspection & Control Systems(근무지 : 평택/전국) ·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	R&D HW R&D SW R&D 기구	전기전자 기계공학 소재,재료 등
	■ Advanced Technology(근무지 : 평택) ·Semiconductor Process(Dry Etch) & Semiconductor Equipment(Chamber System, Plasma Source, RF System etc.) ·Applied Optics / Optic Design ·Precise Measurement / Sensor Application ·Pattern Recognition / Image Data Processing ·High Power & High Precision Control Design (HW/SW) ·Design of Precision Mechanism ·Atmospheric Pressure Spatial ALD, Large-Area PLD ·High-Speed/Low Temp. Sintering of powder or Ink/Paste, High-Speed Transfer of microscale Device ·Electronic Circuit Design / High Speed Digital Circuit Design / Large Scale Integration ·Micro Joining Technology (Micro Bonding, Soldering, Sintering, TLP etc.), Solder Joint Test & Evaluation, SMT Simulation (Solder Joint, PCB Warpage), Bonding Material Evaluation & Development ·Thermal Engineering / Electronic Packaging Engineering / Electronic Material Development ·Power Circuit Design / Power Circuit Control (Using Microprocessor) / High Power Packaging	R&D HW R&D SW R&D 기구	전기전자 기계공학 컴퓨터, SW 소재,재료 산업공학 등
	■ Production Base Technology (근무지 : 평택) ·Structural/Impact Analysis & Optimization Design / Fluid/Thermal Analysis & Design / Noise, Vibration, Harshness Design ·Automation & Validation / Prognostic Health Management / Data Analytics(Big Data & Analysis) ·GPU/CPU Architecturing, Parreral Computing Design, Deep Learning Algorithm (CUDA, Open CL, MPI etc), Graphic Data Programming (OpenGL, Rendering etc), AR/VR Programming (Motion tracking data, CAD Interface, Steroscopic Display Mapping), Cyber Physical System Modeling ·Production Environment (Clean Room/Mini Environment Design, Air Flow Simulation, Tech. of VOC removal, HVAC control etc.) / Particle Control & Airborne Particulate Monitoring ·Welding(Ultrasonic/Brazing, Dissimilar/Non-Ferrous) / Casting / Diecasting(Thin-Wall, HVDC, Simulation) / Metal Forming (Bulk/Sheet) Mechanical Machining(Cutting, Polishing) / Molding(Plastic, Composite materials) / Printing(Gravure, Offset, UV) / Spray Coating(Paint/Process Formulation) ·Plastic Material(High Rigidity, High Hard, Light Weight) & Composite Materials(CFRP, Transparent, Transparency GFRP) Development/Application ·Glass Forming / Glass Strengthening / Ceramic & Ceramic Spray	R&D HW R&D SW R&D Material	전기전자 기계공학 소재,재료 등
	■ Production System Engineering (근무지 : 평택) ·Production System(Manufacturing Process/Line/Factory) Design & Verification(Simulation, Virtual Tech) ·Production & Operation Management(Rule/Process) / Optimization of Supply Chain Design & Production Planning ·Roadmap for Production System Set-up & Operations Strategy ·Product Architecture(Platform/Module) Planning & Optimization / Design Standardization / Product Development Process, Procurement Engineering ·Quality Management / TRIZ	R&D Production	컴퓨터, SW 산업공학 등
	■ Materials(근무지 : 서울/평택) ·Optical Materials (Optical Coating, Diffuser, Sapphire Glass etc) for High Power Lamps(ex. Headlamps) ·Thermoelectric Materials & Devices ·High Strength Lightweight Metal, Strong lightweight metal alloy, Phase change materials etc ·Ceramic Materials (Insulation/ Low Electric/ High Thermal conductivity/ Coating materials for Power Semiconductors, Nano particle, Microstructure, Device Application/ Fabrication) ·Heat Transfer Materials (Nano Composite, Thermal Interface Materials, MWCNT, Igorganic, Nano particles) ·Materials Characterization (Morphology,Element, Structure, Property Analysis)	R&D HW R&D 기구 R&D Material	전기전자 기계공학 소재,재료 등
	■ Intelligent Sensor (근무지 : 서울) ·Materials for Sensors : Synthesis / Process of Inorganic Material(Metal Oxide like SnO2 / WO3 etc) ·CMOS / MEMS integration Process / CMOS IC Design ·HW or SW for Sensor Network : gateway(WiFi / BLE / Zigbee / Zwave) / Low Power Communications / Firmware ·Power Management IC for Energy Harvesting : Inveerter / Converter Circuit Design / MCU Frimware / HW Programming ·Sensor Integration UI/UX ·Printed electronics / Flexible Sensor, Bio Sensor	R&D HW R&D Material	전기전자 소재,재료 등

※ 당사 채용계획에 따라 본인이 지원하지 않은 본부/직무로 검토될 수 있음

※ 상기 내용은 당사 채용 활동을 위한 자료이므로, 당사의 허락을 받지 않은 전체 또는 일부 자료에 대한 무단복제 및 재배포 등을 금합니다.