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Summer Internship



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2020 VIA Summer Internship

Open for ● Overseas ● Taiwan

Job Code	Job Title	Job description	Key Technologies Involved	Requirements	Work Location	Openings
RT001	Software Engineer - Deep Learning/ Computer Vision	<ol style="list-style-type: none"> 1. Prototype and develop Deep learning driven computer vision/imaging algorithms for embedded and mobile platforms. 2. Develop tools to assist with algorithm development, algorithm testing, and image quality evaluation and validation, etc. 	The position provides the opportunity to design, implement, productize, and use neural network driven computer vision algorithms on mobile and embedded platforms.	<ol style="list-style-type: none"> 1. Expertise in deep learning, deep neural networks, convolutional neural networks, random forests, classifiers, feature representations, and/or related techniques. 2. Familiarity with one or more neural network frameworks such as Tensorflow, PyTorch or Caffe. 	Taipei, Taiwan	4 ● ●
RT002	Software Engineer - STEM Education	<ol style="list-style-type: none"> 1. Develop AI course cases. 2. Optimize image recognition algorithms and neural network models. 3. Improve user experience and product design for kids education. 	Machine Learning, Data analysis, Computer Vision.	<ol style="list-style-type: none"> 1. Coding experience with Python. 2. Have interest in maker education for kids. 3. Experience in Tensorflow or Keras or Linux programming is a plus. 	Taipei, Taiwan	2 ●
RT003	Software Engineer - Smart Hospital	Developing smart hospital related function in Android platform.	<ol style="list-style-type: none"> 1. Smart Hospital/Smart Home. 2. Android application field. 	<ol style="list-style-type: none"> 1. Good coding skill in Java. 2. Familiar with Android development IDE and Android SDK usage. 3. Ability to interact with other services through APIs. 4. Team oriented. 	Taipei, Taiwan	1 ●
RT004	Software Engineer - AI learning application	AI learning in application field for Industry 4.0.	<ol style="list-style-type: none"> 1. Computer Vision. 2. Face detection & recognition. 3. Deep learning. 	<ol style="list-style-type: none"> 1. Good coding skill in C/ C++/ Python. 2. Have attended AI related class (i.e., Artificial Intelligence class, Neural Network class, etc.) in university is more preferred. 3. Knowledge of open source AI (i.e., TensorFlow). 4. Have a passion for learning and applying new technologies. 	Taipei, Taiwan	1 ●
RT005	Software Engineer - Embedded System	<ol style="list-style-type: none"> 1. Contribute their thinking, ideas and creativity to start and optimize the program. 2. Discuss & Analysis with team members throughout the process. 3. Develop the applications to improve the monitoring system using Blockchain knowledge. 	Linux / RTOS / Android / Windows environments, device drivers and application development.	Python, Java, C/C++, experience in Windows, Linux, Android, RTOS systems will help	Taipei, Taiwan	1 ●
RT006	Assistant Hardware Engineer -Smart driver recorder	Analyze and solve technical problem, support product validation and manufacturing.	<ol style="list-style-type: none"> 1. Schematics design and drawing. 2. Good knowledge in SOC system. 	<ol style="list-style-type: none"> 1. Major in electrical or electronic engineering. 2. Knowledge on analog and digital electronic circuits. 3. Strong interest in electronics and circuit design. 	Taipei, Taiwan	1 ● ●



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RC001	Software Engineer - ASR with DNN	<ol style="list-style-type: none"> Working on the training of acoustic model, researching and improvement of speech decoding algorithm. Tracing the latest technologies of speech recognition, and apply to projects. 	Deeplearning	<ol style="list-style-type: none"> M.S. or PhD in Computer Science or related field Master C++ programming. Be familiar with the theory of speech recognition, such as HMM · GMM model, Viterbi algorithm, WFST, DNN model. Be familiar with Kaldi platform, experienced in the training of acoustic model. Good ability in reading paper. 	Shanghai, China	1	●
RC002	Software Engineer - NLP	<ol style="list-style-type: none"> Responsible for the development of language model algorithm. Tracking technology trend of language model. 	Nature language processing.	<ol style="list-style-type: none"> M.S. or PhD in Computer Science or relate field. Expertise in key language technologies, such as speech recognition, machine translation or natural language understanding. Experience in deep machine learning and related toolkits. Ability to design and implement experiments using scripting languages, e.g. Python, Lua, Perl, bash scripting, etc. is a plus. C/C++ programming knowledge preferred. Experience working with standard NLP toolkits preferred, e.g. Kaldi, Moses, SRILM, RNNLM, etc. 	Shanghai, China	1	●
RC003	Software Engineer - Compiler	<ol style="list-style-type: none"> AI tool-chain including compiler, assembler, debugger, emulator, etc. Implement and apply Deep Learning/AI. 	Deeplearning / Tensorflow / Caffee2	<ol style="list-style-type: none"> M.S. or PhD in Computer Science or related field. 2+ years of experience in compiler areas such as LLVM, GCC. Experience in developing parallel compilers (NVCC, etc). Experience in computer architecture and performance optimizations. Understanding of DNNs, CNNs. Experience working with one or more deep learning frameworks such as Tensorflow, Caffe2, Caffe etc. is a plus. 	Shanghai, China	1	●
RC004	Software Engineer - IOT embedded	Developing embedded software for Iot devices.	Familiar with computer languages and operation system.	<ol style="list-style-type: none"> Proficient in C and C++. Familiar with Real Time Operating Systems (RTOS) in Linux. Proficient in basic dev tools including but not limited to: bash, gcc, git. Knowledge of multimedia engineering and network programming. 	ShenZhen, China	3	● ●
RC005	Assistant Hardware Engineer - IOT embedded	Analyze and solve technical problem, support product validation and manufacturing.		<ol style="list-style-type: none"> Major in electrical or electronic engineering. Knowledge on analog and digital electronic circuits. Strong interest in electronics and circuit design. 	ShenZhen, China	1	● ●

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Job Code	Job Title	Job description	Key Technologies Involved	Requirements	Work Location	Openings	
MT001	Marketing Communications, Social Media, and PR	Create and execute attention-grabbing marketing communications, social media, and PR campaigns to boost awareness of VIA Enterprise IoT, Computer Vision, and Smart City solutions among global customers and media, including initial research, concept development, content creation, customer and media engagement, and data analytics.		Creative thinking is required! Design, graphics, photography, and video skills would also be very useful.	Taipei, Taiwan	4	● ●
MC001					Shanghai, China	2	●
MT002	Global Business Development	Develop and implement innovative business development campaigns to promote VIA Enterprise IoT, Computer Vision, and Smart City solutions to new market segments, including initial market research, database development, online promotion, lead generation, social media, and data analytics.		Strong analytical and communication skills are required.	Taipei, Taiwan	4	● ●
MC002					Shanghai, China	1	●
MT003	Marketing Automation and AI Development	Develop and implement cutting-edge marketing automation and AI applications to simplify existing marketing processes and generate new market intelligence and insights.		Strong programming and analytical skills are required.	Taipei, Taiwan	4	● ●
MC003					Shanghai, China	1	●
MT004	Art Designer	<ol style="list-style-type: none"> Designing graphics, editing images Producing and editing videos Designing marketing materials, such as brochures, product catalogs, and posters 	Mastery of industry standard software (Adobe Photoshop, Illustrator, Premiere, After Effects, InDesign).	<ol style="list-style-type: none"> Ability to follow directions and collaborate on projects, good team player and independent creative thinker. Excellent time management skills, ability to work within time constraints. Ability to work within brand guidelines while remaining interesting and unique. Previous experience with graphic design is preferred. Basic English skills are a plus. Please attach your art portfolio with your application. 	Taipei, Taiwan	2	●
MT005	Online Education Marketing Intern	<ol style="list-style-type: none"> Plan and execute on-line/off-line promotion activities. Web site banners and activities' EDM design. User interview and produce related articles and videos. Social media Fans page management and use AI tools to increase efficiency. Web design (wordpress). 	Adobe Photoshop, Illustrator, Premiere, wordpress.	<ol style="list-style-type: none"> Portfolio. Autobiography. (including, why do you want to join VIA education team) Any other materials that will help you get the opportunity. 	Taipei, Taiwan	2	● ●



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MC004	PM	<ol style="list-style-type: none"> 1. Responsible for the management of the relevant items of consumer and industrial products, control the quality, cost and progress of the project. 2. Responsible for the formulation of project plans, the allocation of project tasks, supervision and tracking of project development progress, the project risk control. 3. Responsible for reporting on the progress of the project to the upper level, timely feedback on the problems and solutions in the project. 4. Follow-up product EVT / DVT / PVT proofing, and import production, delivery on time. 5. Responsible for project delivery. 	Familiar with the commonly used project management tools.	<ol style="list-style-type: none"> 1. Full-time undergraduate and above, software engineering, systems engineering, computer science, information engineering and other professional priority. 2. A project management experience, familiar with the development process and methods to master the project management process-related norms, a strong organizational capacity of the document. 3. With strong logical thinking ability, management ability, judgment and decision-making ability, communication and communication, planning and execution. 4. A good team of cooperation awareness, work proactive, strong learning ability; with a strong entrepreneurial spirit and work responsibility, can withstand the pressure. 5. With PMP certificate is preferred. 6. English four or more listening and speaking proficiency, can correctly understand the client's English information. 	ShenZhen, China	1



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