HKSTP InnoAcademy

Technology Leaders of Tomorrow 2023 Programme (TLT2023)

Job Positions

Reference no.	Name of Company	Job Title
TLT001	Hong Kong Genome Institute	Senior Research Assistant / Research Assistant (Data Curation)
TLT002	Hong Kong Genome Institute	Project Coordinator
TLT003	Hong Kong Genome Institute	Bioinformatics Pipeline Engineer
TLT004	Huawei Hong Kong Research Center	Software Engineer
TLT005	Huawei Hong Kong Research Center	IC Engineer / Intern
TLT006	Huawei Hong Kong Research Center	Researcher / Research Intern
TLT007	Intact Financial	AI Developer
TLT008	Intact Financial	Data Scientist
TLT009	JSAB Technologies Limited	Senior Product Development Engineer / Product Development Engineer
TLT010	JSAB Technologies Limited	Senior Research and Development (R&D) / R&D Engineer
TLT011	Precision Robotics (Hong Kong) Limited	Assistant Mechanical Engineer
TLT012	Precision Robotics (Hong Kong) Limited	Assistant Electronics Engineer
TLT013	Precision Robotics (Hong Kong) Limited	Senior Software Engineer
TLT014	Precision Robotics (Hong Kong) Limited	Software Electronics Engineer / Electronic Engineer
TLT015	Precision Robotics (Hong Kong) Limited	Senior Robotics Engineer / Robotics Engineer
TLT016	Robocore Technology Limited	Software Engineer (Junior / Senior)
TLT017	SenseTime Group Limited	Researcher
TLT018	SenseTime Group Limited	Engineer
TLT019	Solos Technology Limited	Research and Development (R&D) Engineer (Algorithm)
TLT020	Take2 Health Limited	Associate Medical Technologist (AMT)
TLT021	TCL Corporate Research (HK) Co., Ltd	Computer Vision Engineer
TLT022	TCL Corporate Research (HK) Co., Ltd	Data Scientist / Machine Learning Engineer
TLT023	TCL Corporate Research (HK) Co., Ltd	Robot Engineer
TLT024	TCL Corporate Research (HK) Co., Ltd	Research Scientist / Engineer

Hong Kong Genome Institute 香港基因組中心

Senior Research Assistant / Research Assistant (Data Curation)

Hong Kong Genome Institute

Reference No.	TLT001
Company Website	https://hkgp.org/en/about-hkgi/hkgi/
Company Profile	The Hong Kong Genome Institute (HKGI), establish and wholly owned by the Hong Kong SAR Government, commence full operations in 2021. With the vision "to avail genomic medicine to all for better health and well-being" and supported by the Health Bureau, HKGI works in close collaboration with the Department of Health, Hospital Authority, medical schools of local universities and other stakeholders to accelerate the development of genomic medicine in Hong Kong along four strategic foci: integrate genomics into medicine, advance research, nurture talents and enhance public genomic literacy. As the first step towards achieving its vision, HKGI launched the Hong Kong Genome Project (HKGP) in 2021. As the city's first large-scale genome sequencing project, HKGP serves as a catalyst to benefit patients and their families with more precise diagnosis and personalized treatment through whole genome sequencing. It also aims to establish genome database of the local population, testing infrastructure and talent pool to address the healthcare needs of Hong Kong in the long run. For more information, please visit www.hkstp.org.
Contract Period	12 months
Qualification	Master's degree or above in Biomedical Sciences, Genetic Sciences, Health Sciences, Medical Statistics, or a related discipline, with at least 2 years' relevant experience. Fresh graduates holding a bachelor's degree with basic knowledge and experiences of research studies will be considered for Research Assistant (on-the-job training will be provided)
Other Requirements	• Experience in big data analysis and/or genetic variant analysis will be an advantage • Good analytical and communication skills • Great attention to detail • Great team mindset

	• Fluency in spoken Cantonese; literacy in reading and writing Chinese is a must; strong written English is an advantage • Experience in patient care, clinical research, and the use of digital health technologies in healthcare settings would be advantageous
Job Responsibilities	• Involve in the process of Whole Genome Sequencing (WGS) and developing other sequencing-based workflow • Perform tertiary analysis for WGS data (on-job training will be provided) • Undertake basic literature review, research, and related clerical duties in the scientific team • Ensure smooth data mining process, working closely with the bioinformatics team • Prepare presentation materials for Multi-disciplinary Meeting • Undertake the preparation of weekly journal club of the scientific team • Perform any other duties assigned by senior officers

Hong Kong Genome Institute 香港基因組中心

Project Coordinator

Hong Kong Genome Institute

Reference No.	TLT002
Company Website	https://hkgp.org/en/about-hkgi/hkgi/
Company Profile	The Hong Kong Genome Institute (HKGI), establish and wholly owned by the Hong Kong SAR Government, commence full operations in 2021. With the vision "to avail genomic medicine to all for better health and well-being" and supported by the Health Bureau, HKGI works in close collaboration with the Department of Health, Hospital Authority, medical schools of local universities and other stakeholders to accelerate the development of genomic medicine in Hong Kong along four strategic foci: integrate genomics into medicine, advance research, nurture talents and enhance public genomic literacy. As the first step towards achieving its vision, HKGI launched the Hong Kong Genome Project (HKGP) in 2021. As the city's first large-scale genome sequencing project, HKGP serves as a catalyst to benefit patients and their families with more precise diagnosis and personalized treatment through whole genome sequencing. It also aims to establish genome database of the local population, testing infrastructure and talent pool to address the healthcare needs of Hong Kong in the long run. For more information, please visit www.hkstp.org.
Contract Period	12 months
Qualification	A Bachelor's degree or above in medical sciences, biomedical sciences, genetic counselling, genetic sciences, public health, nursing, or related disciplines
Other Requirements	• Experience in supporting and coordinating health or medical-related research projects is preferred

	• Experience in handling sensitive and confidential issues and subjects is preferred • Ability to prioritise multiple tasks efficiently to meet strict deadlines with minimal supervision • Good written Chinese and English and fluency in spoken Cantonese; literacy in reading Chinese is a must; strong written English is an advantage • Good communication skills • Great team mindset
Job Responsibilities	• Undertake all general project co-ordination and support of Hong Kong Genome Project for Scientific Branch of Hong Kong Genome Institute • Assist in the preparation of project agreements, Institutional Review Board, checklists, progress reports, PowerPoint presentation slides, and literature search and review • Maintain and check databases for work logs • Co-ordinate multi-disciplinary team meetings and other meetings, handle scheduling, prepare and circulate meeting agenda and book meeting rooms • Perform any other duties assigned by senior officers

Hong Kong Genome Institute 香港基因組中心

Bioinformatics Pipeline Engineer

Hong Kong Genome Institute

Reference No.	TLT003
Company Website	https://hkgp.org/en/about-hkgi/hkgi/
Company Profile	The Hong Kong Genome Institute (HKGI), establish and wholly owned by the Hong Kong SAR Government, commence full operations in 2021. With the vision "to avail genomic medicine to all for better health and well-being" and supported by the Health Bureau, HKGI works in close collaboration with the Department of Health, Hospital Authority, medical schools of local universities and other stakeholders to accelerate the development of genomic medicine in Hong Kong along four strategic foci: integrate genomics into medicine, advance research, nurture talents and enhance public genomic literacy. As the first step towards achieving its vision, HKGI launched the Hong Kong Genome Project (HKGP) in 2021. As the city's first large-scale genome sequencing project, HKGP serves as a catalyst to benefit patients and their families with more precise diagnosis and personalized treatment through whole genome sequencing. It also aims to establish genome database of the local population, testing infrastructure and talent pool to address the healthcare needs of Hong Kong in the long run. For more information, please visit www.hkstp.org.
Contract Period	12 months
Qualification	Bachelor's degree in computer science, bioinformatics or related disciplines
Other Requirements	• Proficiency in working in Unix/Linux environment • Familiarity with source code management systems (e.g., Git) • Familiarity with open source Linux tools • Experience with processing bioinformatics data

	• Fluency in Linux command line and writing shell scripts • Experience in HPC (High Performance Computing) clusters and use of job schedulers (e.g. Slurm, TORQUE, SGE, PBS) on HPC clusters • Knowledge of A WS (Amazon Web Service) platform • Understanding of TCP/IP networking and NFS • Exposure to WDL (Workflow Description Language) or NextFlow
Job Responsibilities	• Set up and maintain computing platforms for bioinformatics pipelines • Manage data of genomic scales and conduct bioinformatics analysis • Manage and improve bioinformatics pipelines under the HK.GP and ensure their quality • Perform any other duties assigned by senior officers

HUAWEI

Software Engineer

Huawei Hong Kong Research Center (HKRC)

Reference No.	TLT004
Company Website	https://hkgp.org/en/about-hkgi/hkgi/
Company Profile	Established in 2018, HKRC is a fast-growing international research center that focuses on chipsets, software engineering, AI and theoretical research. For a short span of three years, HKRC saw its staff increase from over 100 members in 2019 to more than 250 in 2022. They come from more than 24 countries and regions, with 48% being PhD holders. Having invested over USD52 million on technology cooperation, HKRC places great emphasis on R&D and has a successful track record in this regard. Equipped with well-furnished labs and offices, the research center hosts free tech talks and recreational activities on a regular basis. Going forward, Huawei aims to capitalize on the unique strengths of Hong Kong, bring together high-end talents worldwide, and tap into quality resources from local universities to create a world-class research hub for technology innovation.
Contract Period	12 months
Qualification	Bachelor's degree or above, with graduation expected in 2023. Major in computer science, electronics engineering, information engineering, mathematics, physics, statistics or other engineering-related disciplines (preferred)
Other Requirements	• Have a good understanding of the following fields (a plus): compilers, operating systems, distributed systems, embedded systems, cloud services, system/program analysis and verification; and • Be passionate about the tech sector, aspire to move the world forward, and have a strong career mindset to be part of Huawei's vision and mission: to bring digital to every person, home and organization for a fully connected, intelligent world

Job Responsibilities	• work on a wide range of challenging projects and exposure to cutting-edge technologies

HUAWEI

IC Engineer / Intern

Huawei Hong Kong Research Center (HKRC)

Reference No.	TLT005
Company Website	https://hkgp.org/en/about-hkgi/hkgi/
Company Profile	Established in 2018, HKRC is a fast-growing international research center that focuses on chipsets, software engineering, AI and theoretical research. For a short span of three years, HKRC saw its staff increase from over 100 members in 2019 to more than 250 in 2022. They come from more than 24 countries and regions, with 48% being PhD holders. Having invested over USD52 million on technology cooperation, HKRC places great emphasis on R&D and has a successful track record in this regard. Equipped with well-furnished labs and offices, the research center hosts free tech talks and recreational activities on a regular basis. Going forward, Huawei aims to capitalize on the unique strengths of Hong Kong, bring together high-end talents worldwide, and tap into quality resources from local universities to create a world-class research hub for technology innovation.
Contract Period	12 months
Qualification	Hold a bachelor's degree or above, with graduation expected in 2023, Major in computer science, electronics engineering, information engineering or other IC-related disciplines (preferred);
Other Requirements	• Have a good understanding of the following fields (a plus): analog circuit design and simulation; digital RTL design/verification; analog or Digital IC physical layout design. • Be passionate about the tech sector, especially IC field, aspire to move the world forward. Have a strong career mindset to be part of Huawei's vision and mission: Toto bring digital to every person, home and organization for a fully connected, intelligent world

Job Responsibilities	• work on a wide range of challenging projects and exposure to cutting-edge technologies

HUAWEI

Researcher / Research Intern

Huawei Hong Kong Research Center (HKRC)

Reference No.	TLT006
Company Website	https://hkgp.org/en/about-hkgi/hkgi/
Company Profile	Established in 2018, HKRC is a fast-growing international research center that focuses on chipsets, software engineering, AI and theoretical research. For a short span of three years, HKRC saw its staff increase from over 100 members in 2019 to more than 250 in 2022. They come from more than 24 countries and regions, with 48% being PhD holders. Having invested over USD52 million on technology cooperation, HKRC places great emphasis on R&D and has a successful track record in this regard. Equipped with well-furnished labs and offices, the research center hosts free tech talks and recreational activities on a regular basis. Going forward, Huawei aims to capitalize on the unique strengths of Hong Kong, bring together high-end talents worldwide, and tap into quality resources from local universities to create a world-class research hub for technology innovation.
Contract Period	12 months
Qualification	Be a PhD/postdoctoral student majoring in computer science, engineering, statistics, mathematics and other related disciplines with a strong interest in theoretical/machine learning/AI research, or an excellent MPhil student with equivalent research experience;
Other Requirements	• Have a solid track record in research, a strong interest in mathematics or algorithm research, relevant papers published (such as ACM) at high-level international conferences and on academic journals, or experience of high-level competitions; • Be proficient in mainstream programming languages and deep learning engines, such as C++, Java, Python and TensorFlow • Have innovative thinking and the ability to apply new ideas to engineering scenarios; and

	• Be passionate about research with a good teamwork spirit and communication skills
Job Responsibilities	• Deep learning, meta-learning, automatic machine learning, reinforcement learning, and Bayesian learning; • Natural language processing, speech recognition, speech synthesis, machine translation, dialogue and question answering system, pre-trained language model, multi-modal learning, and knowledge graph; • Causal structure learning algorithm, and causal theory; • Optimization of multi-factory joint machining plans, and development of large-scale linear programming solvers (CPLEX, Gurobi, SCIP, and CLP); • Machine learning, data mining and AI theory and technology, including network traffic prediction, intelligent network management and control, and resource allocation optimization, transforming research ideas into enterprise solutions; • Visualization of deep learning process (including training data, model training process and feature reasoning), text classification and clustering, language translation, and knowledge graph construction; and • Optimal transport theory, nonlinear dynamic systems, optimal control, and graphs theories, graph computing, linear algebra, matrix analysis, random matrix, compressed sensing, signal processing, information theory, communication principles, optimization theory, operations research, calculus theory, nonlinear and AI network science and other basic theoretical research

AI Developer
Intact Financial (HK) Limited

Reference No.	TLT007
Company Website	https://intactlab.ca/hong-kong/
Company Profile	The **Intact Lab** – with headquarters in Montreal, Canada – is a fast-growing, digital innovation hub backed by Intact Financial Corporation (TSX: IFC, HK$110 billion in market cap), Canada's largest home, auto and business insurance company. **Intact Financial (HK) limited (Intact Lab, HK)** is our first R&D A.I. centre outside of Canada. This expansion into the Asia Pacific region is an exciting chapter of our journey to become the best insurance A.I. shop in the world.
Contract Period	12 months
Qualification	• A bachelor's degree in computer science, software engineering, AI or a related discipline
Other Requirements	• Knowledge of Python or other language such as Java, C++, C#, etc • Practical experience in software development • Knowledge of software engineering practices such as design patterns, knowledge of the development cycle and other tools such as Git, Jira, Confluence, … • The commitment to be a influential, collaborative teammate • Unlimited curiosity and a passion to challenge the status quo • Ability to focus on vaguely defined issues requiring the application of a creative approach • Strong communication, time management and work organization skills • If you don't have experience in the AI, a strong desire to immerse yourself in this exciting field
Job Responsibilities	• Use machine learning to build innovative solutions for real-life customer and business problems • Write well-designed, efficient code that can be tested, again and again • Influence the AI roadmap for the largest home, auto business insurer in Canada • Explore new technologies and use them in your own solutions

	• Grow alongside a diverse team of world-class experts in data science, software engineering, actuarial science, business and design • Mentor and coach interns and other developers to help us grow, as a team

Data Scientist
Intact Financial (HK) Limited

Reference No.	TLT008
Company Website	https://intactlab.ca/hong-kong/
Company Profile	The **Intact Lab** – with headquarters in Montreal, Canada – is a fast-growing, digital innovation hub backed by Intact Financial Corporation (TSX: IFC, HK$110 billion in market cap), Canada's largest home, auto and business insurance company. **Intact Financial (HK) limited (Intact Lab, HK)** is our first R&D A.I. centre outside of Canada. This expansion into the Asia Pacific region is an exciting chapter of our journey to become the best insurance A.I. shop in the world.
Contract Period	12 months
Qualification	A bachelor's degree in a quantitative discipline such as mathematics, science, engineering, statistics, AI, computer science or a related field. MSc and/or PhD are an asset
Other Requirements	• Experience in the field of data science, machine learning and advanced statistics solving business problems • Programming experience in languages such as Python or R as well as knowledge of software engineering best practice or a strong desire to learn it • Familiar with the underlying theory of machine learning (supervised, unsupervised and reinforcement learning) • The commitment to be an influential, collaborative teammate • Unlimited curiosity and a passion to challenge the status quo • Ability to focus on vaguely defined issues that require the application of a creative approach • Strong communication, time management and work organization skills
Job Responsibilities	• Use machine learning and advanced statistics to help build innovative solutions for real-life customer and business problems • Influence the AI roadmap for the largest home, auto business insurer in Canada • Explore new technologies and use them in your own solutions

	• Grow alongside a diverse team of world-class experts in data science, software engineering, actuarial science, business and design • Mentor and coach interns and other engineers to help us grow, as a team

JSAB SEMICONDUCTORS

Senior Product Development Engineer / Product Development Engineer

JSAB Technologies Limited

Reference No.	TLT009
Company Website	http://www.jsab-tech.com/
Company Profile	JSAB Technologies Limited is a high-tech company specialized in the design, research and development, and sales of power semiconductor devices. JSAB is founded and led by a prestigious professor who is an IEEE Fellow in the field of silicon-based power semiconductor devices. JSAB possesses an outstanding technical team which includes PhD holders graduated from prestigious universities. The management team and technical leaders are from multinational semiconductor companies. The products are widely used in a variety of applications such as power management, motor control, etc. Join JSAB, be a *Power Semiconductors* expert in a fast-growing Group!
Contract Period	12 months
Qualification	University degree or above in Physics / Electronic Engineering / Applied Physics / Materials Science or in related technical discipline with background in microelectronics / semiconductor devices
Other Requirements	• Related working experience in the semiconductor industry (fresh graduate will be considered as Engineer); and • Knowledge in semiconductor devices (such as diodes, MOSFETs, IGBTs, etc.) and/or in electronic packaging, device characterization and PCB layout is definitely a plus
Job Responsibilities	• Manage power semiconductor device products; • Define product specification with sales and customers; • Provide technical advice to sales and customers; and • Perform product characterization, qualification and failure analysis

JSAB SEMICONDUCTORS

Senior Research and Development (R&D) / R&D Engineer

JSAB Technologies Limited

Reference No.	TLT010
Company Website	http://www.jsab-tech.com/
Company Profile	**JSAB Technologies Limited** is a high-tech company specialized in the design, research and development, and sales of **power semiconductor devices**. JSAB is founded and led by a prestigious professor who is an IEEE Fellow in the field of silicon-based power semiconductor devices. JSAB possesses an outstanding technical team which includes PhD holders graduated from prestigious universities. The management team and technical leaders are from multinational semiconductor companies. The products are widely used in a variety of applications such as power management, motor control, etc. Join **JSAB**, be a ***Power Semiconductors*** expert in a fast-growing Group!
Contract Period	12 months
Qualification	University degree or above in Physics / Electronic Engineering / Applied Physics / Materials Science or in related technical discipline with background in microelectronics / semiconductor devices;
Other Requirements	• Related working experience in the semiconductor industry (fresh graduate will be considered as Engineer); and • Knowledge in semiconductor devices such as diodes, MOSFETs, IGBTs, etc. and/or in TCAD simulation, wafer fabrication, electronic packaging and device characterization is definitely a plus
Job Responsibilities	• Develop advanced power semiconductor technologies; • Design device, process and mask layout; • Perform TCAD simulation; • Manage wafer processing and foundries; and • Apply patents

PRECISION ROBOTICS
普 锐 医 疗

Assistant Mechanical Engineer

Precision Robotics (Hong Kong) Limited

Reference No.	TLT011
Company Website	www.precisionrobotics.com
Company Profile	Precision Robotics (Hong Kong) (PRHK) Limited is an innovative robotic company which aims to advance surgical robotics with novel intelligent surgical technologies. Precision Robotics Limited is a spun-off company from Imperial College London, UK. As a technology start-up company, PRHK is a very fast-growing company with its head quarter based in the Hong Kong Science and Technology Park, and offices in London and Shanghai. Based on many years of cutting-edge world leading surgical robotics and AI research, PRHK was set up with targets on translating the academic research outcomes into clinical products enabling the next major transformation of robotic surgeries leading to better patient outcomes.
Contract Period	12 months
Qualification	Bachelor Degree or above in Mechanical Engineering or similar discipline.
Other Requirements	• Has experience in operating manufacturing machinery. • Has experience in hands-on industrial prototyping. • Familiar in SolidWorks. • Good at quality mindset. • Basic office software skill (including Word, Excel and Powerpoint) is a must. • Experience in small batch production/manufacturing is an advantage. • Knowledge in electrical engineering is an advantage
Job Responsibilities	• Assembling for medical product development. • Prepare industrial technical 2D drawings. • Hardware tools and Inventory management. • Sourcing and purchasing. • Able to prepare jig and fixture design is preferred

Assistant Electronics Engineer

Precision Robotics (Hong Kong) Limited

Reference No.	TLT012
Company Website	www.precisionrobotics.com
Company Profile	Precision Robotics (Hong Kong) (PRHK) Limited is an innovative robotic company which aims to advance surgical robotics with novel intelligent surgical technologies. Precision Robotics Limited is a spun-off company from Imperial College London, UK. As a technology start-up company, PRHK is a very fast-growing company with its head quarter based in the Hong Kong Science and Technology Park, and offices in London and Shanghai. Based on many years of cutting-edge world leading surgical robotics and AI research, PRHK was set up with targets on translating the academic research outcomes into clinical products enabling the next major transformation of robotic surgeries leading to better patient outcomes.
Contract Period	12 months
Qualification	Bachelor Degree or above in Electronics / Electrical Engineering or similar discipline
Other Requirements	• Hands-on soldering experience. • Good knowledge in standard electronic test equipment (DMM, oscilloscope, signal generator and etc.). • Good at quality mindset. • Knowledge in Altium designer for drafting circuit and PCB layout is preferred. • Basic office software skill (including Word, Excel and PowerPoint) is a must
Job Responsibilities	• Assemble electronic systems and prototypes according to engineer's instructions • Perform lab, quality, and debug testing • Assist engineers in documentation for quality system management. • Assist engineers in drafting circuit diagram and PCB layout

PRECISION ROBOTICS
普 锐 医 疗

Senior Software Engineer
Precision Robotics (Hong Kong) Limited

Reference No.	TLT013
Company Website	www.precisionrobotics.com
Company Profile	Precision Robotics (Hong Kong) (PRHK) Limited is an innovative robotic company which aims to advance surgical robotics with novel intelligent surgical technologies. Precision Robotics Limited is a spun-off company from Imperial College London, UK. As a technology start-up company, PRHK is a very fast-growing company with its head quarter based in the Hong Kong Science and Technology Park, and offices in London and Shanghai. Based on many years of cutting-edge world leading surgical robotics and AI research, PRHK was set up with targets on translating the academic research outcomes into clinical products enabling the next major transformation of robotic surgeries leading to better patient outcomes.
Contract Period	12 months
Qualification	Bachelor's Degree in computer science, computing, electronics, or related disciplines; studying MS or PhD will have an advantage
Other Requirements	• Experienced in C++ programming in Linux • Experience in robotics and real-time communication is a bonus • Knowledge of python, Java, and other programming languages • Knowledge of robotics and real-time communication is a bonus • Passionate about the latest technology and engineering successes • Able to work under pressure, self-motivated, and a team player • Demonstrate effective communication, time management, and leadership skills • Good command of written and spoken English and Chinese (Cantonese/Mandarin) • Travel to mainland China and other countries may be required • With less experience will be consider as a software engineer > Application will be considered for the role of Software Engineer if less experienced

Job Responsibilities	• Work in R&D and engineering team to design and develop a state-of-the-art surgical robotic system • Research and develop software, tools, models, and algorithm for the company's surgical robotic products • Liaise with other engineering teams to ensure seamless integration • Develop, review, test, debug software to ensure the quality and reliability of the software and tools • Develop and implement product testing software and tools • Conduct software testing and verification processes • Assist the system prototyping and assembly processes • Provide technical support for products • Support software QA for the company products • Analysis and improvement of software efficiency • Support the regulatory approval tests of components, devices, and systems • Support clinical trials for regulatory approval • Document the design and development process in accordance with the Company's quality control requirements • Review with Line Manager to improve the quality of company products at the design & development stages • Acquire and set up equipment, tools, and materials for product and prototype development • Mentor and supervise junior engineering staff • Perform other duties assigned by the company

PRECISION ROBOTICS
普 锐 医 疗

Software Electronics Engineer / Electronic Engineer

Precision Robotics (Hong Kong) Limited

Reference No.	TLT014
Company Website	www.precisionrobotics.com
Company Profile	Precision Robotics (Hong Kong) (PRHK) Limited is an innovative robotic company which aims to advance surgical robotics with novel intelligent surgical technologies. Precision Robotics Limited is a spun-off company from Imperial College London, UK. As a technology start-up company, PRHK is a very fast-growing company with its head quarter based in the Hong Kong Science and Technology Park, and offices in London and Shanghai. Based on many years of cutting-edge world leading surgical robotics and AI research, PRHK was set up with targets on translating the academic research outcomes into clinical products enabling the next major transformation of robotic surgeries leading to better patient outcomes.
Contract Period	12 months
Qualification	Bachelor's degree in electronics engineering with 2:1 honor or above
Other Requirements	• At least 5 years of industrial experience in electronics design. • Thorough understanding of BLDC motor control. • Excellent communication skills (verbally and in writing). • Team player. • Application will be considered for the role of Electronic Engineer if less experienced

Job Responsibilities	• Provide novel and innovative solutions to design requirements and design / product issues for Precision Robotics. • Research new technologies, components and processes, providing feedback on how they could be used in Company products to add or enhance features in a cost-effective manner. • Design, develop, layout PCB's and test electronic circuits, ensuring that the design meets required functionality, cost, quality, safety, legislative, reliability & aesthetic requirements. • Have prototype PCB assemblies manufactured and create appropriate documentation to allow timely, cost effective and quality manufacturing of the PCB. • Design, develop and test looms for use in Company products, ensuring that the design meets the required functionality, cost, quality, safety, legislative & reliability requirements. • Complete verification validation processes and write up reports on the designed electronics and the systems within which they integrate. • Provide EMC solutions for product development and liaise with EMC test house to ensure the product is robust for the market. • Liaise with suppliers, in partnership with Purchasing/procurement team, on technical issues faced by the supplier and to source new components, ensuring an acceptable supply chain can be maintained in production. • Constantly reviewing with the Line Manager in regard to procedures and processes to improve the quality of Company products during design & development stages. • Execution of project activities in accordance with QMS requirements. • Mentoring junior R&D staff and provide technical help and support.

PRECISION ROBOTICS
普 锐 医 疗

Senior Robotics Engineer / Robotics Engineer

Precision Robotics (Hong Kong) Limited

Reference No.	TLT015
Company Website	www.precisionrobotics.com
Company Profile	Precision Robotics (Hong Kong) (PRHK) Limited is an innovative robotic company which aims to advance surgical robotics with novel intelligent surgical technologies. Precision Robotics Limited is a spun-off company from Imperial College London, UK. As a technology start-up company, PRHK is a very fast-growing company with its head quarter based in the Hong Kong Science and Technology Park, and offices in London and Shanghai. Based on many years of cutting-edge world leading surgical robotics and AI research, PRHK was set up with targets on translating the academic research outcomes into clinical products enabling the next major transformation of robotic surgeries leading to better patient outcomes.
Contract Period	12 months
Qualification	BS Degree in Biomedical Engineering, Mechatronics, Computer Engineering, Mechanical Engineering, or related disciplines; MS or PhD will have an advantage
Other Requirements	• Good knowledge of embedded programming, computer vision, and python programming • Knowledge of using CNC, metal injection modelling, or other 3D printing technologies • Excellent knowledge of solid works or other CAD software • Able to help to select the material for robots and their components. Reduce cost and guarantee quality. • Knowledge of ISO13485 quality system and ISO62304 is an advantage • Passionate about the latest technology and engineering successes • Able to work under pressure, self-motivated, and a team player • Demonstrate effective communication, time management, and leadership skills • Good command of written and spoken English and Chinese (Cantonese/ Mandarin)

	• Travel to mainland China and other countries may be required • Application will be considered for the role of Robotics Engineer if less experienced
Job Responsibilities	• Work in R&D and engineering team to design and develop a state-of-the-art surgical robotic system • Research and develop novel surgical robots and robotic components • Design, develop and test robotic control algorithms, methods, and programs • Apply machine learning and AI techniques in robotics • Monitor and optimize the performance of robotic systems • Provide technical field trial support, troubleshooting, and conduct timely fault rectification of technical issues related to product and applications • Develop and implement product testing tools and procedures • Provide support on the regulatory approval (EMC, Safety) processes • Support clinical trials for regulatory approval. • Manage product development from design, and tooling to production, selection of materials, and strong knowledge on the manufacturing process • Document the design and the development process in accordance with the Company's quality control requirements • Support quality management team and maintain planned quality objectives • Review with Line Manager to improve the quality of Company products at the design & development stages • Acquire and set up the needed equipment, tools, and materials for the product and prototype development • Mentor and supervise junior engineering staff • Perform other duties assigned by the company

ROBOCORE

Software Engineer (Junior / Senior)

Robocore Technology Limited

Reference No.	TLT016
Company Website	https://zh.robocore.ai/
Company Profile	Robocore is the leading developer of applications for robotic platform. Based out of Hong Kong and Israel, we develop solutions for all segments and customers including Home, Hospitality, Retails, Medical, Industrial, Commercial and all other relevant applications. We also develop solutions by integrating smart external sensors on the platforms such as wellness sensors, medical-grade sensors and others. We provide professional, customer-centric solutions for startups, companies and organizations worldwide
Contract Period	12 months
Qualification	Bachelor's degree or higher diploma (or equivalent) in Computer Science, Information Technology or relevant discipline
Other Requirements	• 2 years of experience in Java / Kotlin for mobile apps development, less experience would still be considered. • Experience in HTML5/CSS/JavaScript/React.js is an advantage. • Follow operation guideline including source code control, coding standard, layout standard, etc. • Problem solving skill is a MUST. • Communication among team players is a MUST. • Experience in DevOps and Linus-based software development (e.g Git. Docker) • Experience in AR, VR or 360 headmount devices applications is a plus • Experience in building information modelling (BIM) integration is a plus
Job Responsibilities	• Research on distribution communication model of multi-floor synchronized robotics navigation, combined with semantic modelling and BIM placement algorithm • Research on the application and algorithm on swarm robotic platform • Perform Android apps development for temi robots.

	• Familiar with Android Studio, 3rd party SDK, payment solution integration. • Perform Unit Test, System Test, and assist User Acceptance Test (UAT). • Assist senior technical lead on documentation preparation such as technical system design, training document, test case and test script. • Complete assigned tasks on time.

Researcher
SenseTime Group Limited

Reference No.	TLT017
Company Website	https://www.sensetime.com/cn
Company Profile	SenseTime is the world's most valuable artificial intelligence (AI) unicorn focused on computer vision and deep learning technologies. Its leading AI technologies have powered many industries such as smart city, smartphone, mobile Internet, automobile, finance, retail, and robotics, etc. Its core technologies include face recognition, image recognition, character recognition, medical image recognition, video analysis and autonomous driving. SenseTime boasts more than 700 leading strategic partners and customers including MIT, CUHK, Qualcomm, NVIDIA, Honda, Alibaba, Suning, China Mobile, UnionPay, Wanda, HNA, Huawei, Xiaomi, OPPO, vivo, Weibo, iFLYTEK, and so forth. The company has offices in Hong Kong, Beijing, Shenzhen, Shanghai, Chengdu, Hangzhou, Kyoto, Tokyo and Singapore. Join us, in this journey of our inaugural mission towards a better world for a better future
Contract Period	12 months
Qualification	Bachelor or above in Computer Science, Electrical Engineering or related fields
Other Requirements	• Proficiency in machine learning (especially deep learning) & computer vision • Excellent analytical and problem-solving skills, willing to take up challenges • Proficiency in C / C++, knowledge in Shell/Python/Matlab programming • Team player and fast learner • Strong research skills, for example Postgraduate with paper in CCF A-tier conferences or journals (CVPR, ICCV, TPAMI etc.) / or Bachelor with paper CCF B-tier conferences or journals • Strong programming skills, for example winners at ACM or related competitions, e.g. ACM pre-gold; NOI silver or above; Star of Baidu finalist; or high-impact open source projects on github

	• Experience of winning top leader board in research competitions, e.g., ImagNet or Kaggle • Related 1 year Intern experience in BAT or AI start-up company, or international well-known labs in areas of computer vision/machine learning/data mining
Job Responsibilities	• Research and develop computer vision & Deep Learning algorithms, e.g. object detection, object tracking, image classification, image segmentation, reinforcement learning, 3D computer vision and image processing • Responsible for optimization and integration of computer vision & deep learning algorithms with industry applications; • Responsible for leading the innovation of algorithms in industry and academy

商汤 sensetime

Engineer

SenseTime Group Limited

Reference No.	TLT018
Company Website	https://www.sensetime.com/cn
Company Profile	SenseTime is the world's most valuable artificial intelligence (AI) unicorn focused on computer vision and deep learning technologies. Its leading AI technologies have powered many industries such as smart city, smartphone, mobile Internet, automobile, finance, retail, and robotics, etc. Its core technologies include face recognition, image recognition, character recognition, medical image recognition, video analysis and autonomous driving. SenseTime boasts more than 700 leading strategic partners and customers including MIT, CUHK, Qualcomm, NVIDIA, Honda, Alibaba, Suning, China Mobile, UnionPay, Wanda, HNA, Huawei, Xiaomi, OPPO, vivo, Weibo, iFLYTEK, and so forth. The company has offices in Hong Kong, Beijing, Shenzhen, Shanghai, Chengdu, Hangzhou, Kyoto, Tokyo and Singapore. Join us, in this journey of our inaugural mission towards a better world for a better future
Contract Period	12 months
Qualification	Bachelor or above in Information Technology, Computer Science or related disciplines
Other Requirements	• Familiar with various type of hardware of PC & PC server • Proficient in Windows/ Linux/Mac system daily maintenance and error solution • Proficient in setting and manage router, switch, firewall and network system • Experienced in daily maintenance and repairing • Mature, flexible, fast-paced and able to work independently • Team player with good communications skills • Good command of spoken and written English, Mandarin and Cantonese • Able to work under pressure and meet tight deadline, well-organized, responsible, self-motivated, willing to learn, detail-oriented with good interpersonal skills

Job Responsibilities	• Administer daily proper operation of IT related hardware and software, servers, IT infrastructure, networking, security system, applications and firewalls, video conferencing, projectors, door access & phone systems etc; • Responsible for any related installation and management of hardware & software; responsible for IDC Server hardware's maintenance and system installation; • Liaise with service providers / consultants for IT solutions as well as procurement for IT equipment; Provide IT hardware inventory support maintaining software license / hardware and inventory list; • Troubleshooting daily IT issues in local HK office, responsible for company' s AD/network daily maintenance and guarantee workplace network's security; • Manage application systems including email systems; • Liaise and working with different partners to resolve incidents and problems; • Ad hoc tasks as assigned by manager and the team

solos®

Research and Development (R&D) Engineer (Algorithm)

Solos Technology Limited

Reference No.	TLT019
Company Website	www.solos.com.hk
Company Profile	Solos Technology Limited is a Hong Kong based start-up company, established in October 2019. The company focuses its resources to design and manufacture the-state-of-the-art smart glasses for global market. Smart glasses designed by Solos integrates different sensors, hardware platforms, cloud, mobile phone & newly developed & invented algorithms to form a smart glasses ecosystem. Recently, the company launched several smart glasses products to market which were designed and built based on technologies from the in-house research results.
Contract Period	12 months
Qualification	Bachelor or above in Electronics Engineering, Computer Engineering, Computer Science, Mathematics, or equivalent qualification
Other Requirements	• Experience in Matlab or Python for algorithm development is an advantage • Having the following knowledge and experiences is a plus: • Signal processing • Embedded firmware development. • Proficient in C/C++. • Ability to plan own work and make independent decisions. • Hard-working, self-disciplined and committed to the project
Job Responsibilities	• Undertake research and algorithm development in the areas of AI / digital signal and speech processing. • Carry out R&D for smart glasses applications. • Using Python or Matlab to perform simulation on filter design and signal processing algorithm development. • Implement and test algorithm in real-time platform. • Functional and system integration testing and verification. • Documentation writing such as algorithm design specification, test specification, patent and technical papers etc.

Take2™

Associate Medical Technologist (AMT)

Take2 Health Limited

Reference No.	TLT020
Company Website	https://take2health.net/
Company Profile	We are a healthcare start-up which explores, invents, and builds empowering platform to harness the power of biomedical sciences and informatics to deliver better healthcare solutions to individuals and communities with actionable information and results. Founded in Hong Kong SAR, expanding to Shenzhen, we aim to be a key driver that makes innovative healthcare inventions widely accessible to the public in China and across Asia. We are professional, committed, influential, pioneering, bold, and most importantly, we are young and have an unique corporate culture!
Contract Period	12 months
Qualification	Bachelor Degree or Higher Diploma in Medical Laboratory Science, Biomedical Science, Life Science or related field
Other Requirements	• Part I/II Registered Medical Laboratory Technologist with a valid Practising Certificate issued by the HKMLT Board • 1-3 years of experience in molecular genetics is an advantage, fresh graduates are also welcome • Self-motivated, strong sense of responsibility, and good team work • Good command of written and spoken English and Chinese (Cantonese) including Mandarin
Job Responsibilities	• Perform molecular clinical testing according to standard operating procedures • Maintain routine laboratory operation including but not limited to equipment maintenance and calibration, inventory management, lab records management • Assist in the setup of a new clinical molecular laboratory • Assist in laboratory accreditation preparation including but not limited to protocol writing and carrying out validation • Support in research and development activities; • Handle ad-hoc duties assigned by senior management • Shift duty is required

Computer Vision Engineer

TCL Corporate Research (Hong Kong) Co. Limited

Reference No.	TLT021
Company Website	https://www.tcl.com/hk/en/about-tcl
Company Profile	The Hong Kong Research Institute is a research and development center set up by TCL Technology in Hong Kong, focuses on artificial intelligence, 5G technology, Internet of Things, new sensors, financial technology, new display materials, etc. At the same time, it is also actively carrying out technical cooperation with local universities and R&D centers in Hong Kong.
Contract Period	12 months
Qualification	Bachelor or above in Computer Science or related discipline
Other Requirements	• Proficiency in one or more AI technologies such as object detection, segmentation, image enhancement, large models, AIGC, etc. • Familiarity with mainstream AI frameworks and related technologies, and an understanding of the latest AI technology trends. • Good programming skills, with proficiency in at least one of the following languages: Python, C++, Java. • Familiarity with Tensorflow or Pytorch framework is a must. • Candidates with experience in industrial intelligent detection and smart manufacturing is preferred. • Candidates familiar with large model training and optimization techniques is preferred
Job Responsibilities	• Developing and implementing cutting-edge AI algorithms and strategies in order to improve product capabilities and achieve maximum value for the company. • Have a deep understanding of the business, accurately analyze problems, and develop suitable algorithms and strategies for the toB domain • Responsible for transforming toB scenarios and datasets into intelligent products, using AI technologies such as computer vision, large models, multi-modal speech and image, among others

Data Scientist / Machine Learning Engineer

TCL Corporate Research (Hong Kong) Co. Limited

Reference No.	TLT022
Company Website	https://www.tcl.com/hk/en/about-tcl
Company Profile	The Hong Kong Research Institute is a research and development center set up by TCL Technology in Hong Kong, focuses on artificial intelligence, 5G technology, Internet of Things, new sensors, financial technology, new display materials, etc. At the same time, it is also actively carrying out technical cooperation with local universities and R&D centers in Hong Kong.
Contract Period	12 months
Qualification	Bachelor or above in Computer Science or related discipline
Other Requirements	• Proficiency in one or more data science technologies such as machine learning, anomaly detection, predictive modeling, NLP, operations research, recommendation systems, and real-time big data analysis. • Familiarity with mainstream AI frameworks and related technologies and have continued attention to the latest AI technology trends such as In-context learning, and self-supervised learning. • Good programming skills, with proficiency in at least one of the following languages: Python, C++, and Java are a must. • Candidates with experience in supply chain management and smart manufacturing is preferred. • Candidates familiar with large language modeling techniques is preferred
Job Responsibilities	• Responsible for developing and implementing cutting-edge AI algorithms and strategies to enhance the capabilities of the product and maximize the company's value • Required to have a deep understanding of business, good problem-solving and analytical skills, and be able to select suitable algorithms and strategies • Responsible for requirement analysis, conducting POC, and delivery of final products

Robot Engineer

TCL Corporate Research (Hong Kong) Co. Limited

Reference No.	TLT023
Company Website	https://www.tcl.com/hk/en/about-tcl
Company Profile	The Hong Kong Research Institute is a research and development center set up by TCL Technology in Hong Kong, focuses on artificial intelligence, 5G technology, Internet of Things, new sensors, financial technology, new display materials, etc. At the same time, it is also actively carrying out technical cooperation with local universities and R&D centers in Hong Kong.
Contract Period	12 months
Qualification	Bachelor or above in Computer Science or related discipline
Other Requirements	• Proficiency in one or more AI technologies such as computer vision, reinforcement Learning, industrial robots. • Familiarity with mainstream AI frameworks and related technologies, and an understanding of the latest AI technology trends. • Good programming skills, with proficiency in at least one of the following languages: Python, C++, Java. • Familiarity with Tensorflow or Pytorch framework is a must. • Knowledge of ROS is a plus. • Knowledge of motor control and sensors fusion of mobile robot is a plus • Candidates with experience in industrial intelligent detection and smart manufacturing is preferred
Job Responsibilities	• Responsible for developing and implementing cutting-edge AI algorithms and strategies in order to improve product capabilities chieve maximum value for the company • Required to have a deep understanding of the business, accurately analyze problems, • Develop suitable algorithms and strategies for the toB domain • Responsible for transforming toB scenarios and datasets into intelligent products, using AI technologies such as computer vision, reinforcement Learning, robots, among others

Research Scientist / Engineer

TCL Corporate Research (Hong Kong) Co. Limited

Reference No.	TLT024
Company Website	https://www.tcl.com/hk/en/about-tcl
Company Profile	The Hong Kong Research Institute is a research and development center set up by TCL Technology in Hong Kong, focuses on artificial intelligence, 5G technology, Internet of Things, new sensors, financial technology, new display materials, etc. At the same time, it is also actively carrying out technical cooperation with local universities and R&D centers in Hong Kong.
Contract Period	12 months
Qualification	PhD/Master degree in computer science, statistics, or related discipline
Other Requirements	• Excellent programming skills in Python is required. • -Hands-on experience with deep learning frameworks such as PyTorch and TensorFlow. • Strong understanding of machine/deep learning approaches such as supervised/unsupervised/self-supervised learning, convolutional neural networks, graph neural networks, transformers, etc. • Track record of original scientific publications and conference contributions. • Ability to work independently on defined projects, as well as a member of a team
Job Responsibilities	• Expected to be experienced in machine learning and have strong understanding with its mathematical foundations. • Leverage state-of-the-art AI technologies to make a transformational impact on scientific research