

CUHK-Shenzhen List of Summer Labs SREP 2026

Research Field	Laboratory	Requirements	Contact	Website
New Energy and Energy Efficiency Management	Shenzhen Institute for Advanced Polymer Materials (PolyGBA)	- Junior year undergraduate student with chemistry, chemical engineering background	Prof. He ZHU: zhuhe@cuhk.edu.cn Prof. Qi ZHANG: qizhang@cuhk.edu.cn	https://polygba.cuhk.edu.cn/ https://polysz.cuhk.edu.cn/en
	Shenzhen Key Laboratory of Advanced Materials Product Engineering (PolyCUHKSZ)			
	Shenzhen Key Laboratory of Environmental Materials and Renewable Energy	- Junior year undergraduate student or postgraduate student with materials, chemistry, physics, energy background;	Prof. Zhongxin CHEN: chenzhongxin@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/7105 http://www.catalysis-cuhksz.com/
Big Data and Scientific Data	Guangdong Provincial Key Laboratory of Big Data Computing	- Senior year undergraduate student with any of the following majors: data science, machine learning, electrical engineering (statistical signal processing emphasis), control;	Prof. feng YIN: yinfeng@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/7326
	Shenzhen Research Institute of Big Data	- Senior year undergraduate student; - Major in wireless communications; - Work on the implementation of OAI-based 5G NR system: up to 5 students;	Prof. Chao SHEN: chaoshen@sribd.cn	https://www.cuhk.edu.cn/en/article/4161
		- Junior/Senior year undergraduate student; - Major in data science, computer science, machine learning, electrical engineering (statistical signal processing emphasis), control;	Dr. Akang WANG wangakang@sribd.cn Prof. Xiaodong LUO xiaodongluo@cuhk.edu.cn	
	The Chinese University of Hong Kong, Shenzhen- Shenzhen Research Institute of Big Data-Huawei Innovation Laboratory of Future Network System Optimization	- Senior year undergraduate student; - Major in wireless communications; - Work on the FPGA implementation of channel simulator: up to 2 students;	Prof. Tsung-Hui CHANG: changtsunhui@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/6011
	Prof. Yao's Lab (High-dimensional Statistics; Random Matrix Theory)	- Junior year undergraduate student in mathematics or Statistics majors	Prof. Jeff J. Yao: jeffyao@cuhk.edu.cn	https://jianfengyao.wordpress.com/
Modern Biological Information Engineering	Guangdong Provincial Key Laboratory of Life and Health Sciences	- Major in biology, medicine, chemistry, life sciences, biomedicine engineering or relevant background; - Have completed General Biology or equivalent course; - Prefer good programming skills for applying Bioinformatics lab;	Prof. Richard YE: richardye@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/6003
	Futian Biopharmaceutical Innovation and R&D Center, The Chinese University of Hong Kong, Shenzhen	- Major in biology, medicine, chemistry, life sciences, biomedicine engineering or relevant background; - Have completed General Biology, Organic Chemistry, Biochemistry or equivalent course; - Prior lab experience will be preferred although not required;		https://www.cuhk.edu.cn/en/article/5784
	Arieh Warshel Institute of Computational Biology, The Chinese University of Hong Kong, Shenzhen	- Plan to obtain a PhD in computer-aided drug design, AI-aided drug design, computational biology, or computational chemistry; - Proven track record of scientific research and publication; - Experiences with Linux, data analysis, and scripting using programming language; - Good oral and written communication skills in English; - Acquired basic knowledge in: Mathematics Physics Computing Chemistry Biology/Biotechnology/Biomedicine	Prof. Hsien-Da HUANG: huanghsienda@cuhk.edu.cn Prof. Gujuan CHENG: chenggujuan@cuhk.edu.cn Prof. Lizhe ZHU: zhulizhe@cuhk.edu.cn Prof. Hiraaj Hajjime: hiraaj@cuhk.edu.cn Prof. Yongfei WANG: yfwang@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/128
	Kobilka Institute of Innovative Drug Discovery, The Chinese University of Hong Kong, Shenzhen	- Junior/Senior year undergraduate student; - Major in structure biology, biology, or chemistry;	Prof. Yang DU: yangdu@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/4153
		- Junior/Senior year undergraduate student; - Major in physics, chemistry, or biology;	Prof. Ying-Chih CHIANG: chiangyc@cuhk.edu.cn	
Robotics and Artificial Intelligence Laboratory- Marine Robot	- Major in electronic and information, automation, or computer science related major; - Familiar with python and C++; - Junior year undergraduate student or above;	Prof. Huihuan QIAN hhqian@cuhk.edu.cn	https://rail.cuhk.edu.cn/article/35	
	- Major in robotics (such as mechanical, automation) or computer science related programme; - Strong hand-on skills;	Prof. Tin Lun LAM: tlam@cuhk.edu.cn	https://freeformrobotics.org	

Robotics & AI	Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS)	<p>Prof. Hongyuan Zha's Lab:</p> <ul style="list-style-type: none"> - Students should have a solid math background and have a topic of interest that aligns with our topics; - Prefer students who are already working on one of the topics in machine learning and applications, including reinforcement learning, online optimization, multi-agent learning and optimization, game theoretic machine learning, and applications in autonomous vehicles and diagnostic systems; 	Prof. Baoxiang WANG: bxwang@cuhk.edu.cn	https://airs.cuhk.edu.cn/en
		<p>Dr. Xiaopu Wang's Lab: (Requirement 1 or Requirement 2) Requirement 1: (1-2students)</p> <ul style="list-style-type: none"> a. Basic knowledge of hydrogels or polymers; b. Passion in working on microrobots-related research; c. Proficiency in English; d. Experience in chemical experiments is a plus; e. Experience in cell culture is a plus; Requirement 2: (1-2students) <ul style="list-style-type: none"> a. Theoretical knowledge of the electromagnetic field; b. Passion in working on microrobots-related research. c. Excellent programming skills in Python (C/C++ language is a plus); d. Proficiency in English; e. Prefer experience in computer vision or image processing; 	Dr. Xiaopu WANG: wangxiaopu@cuhk.edu.cn	
	Human Language Technology Laboratory	<ul style="list-style-type: none"> - Major in computer science, computer engineering, electrical engineering - Familiar with one or more of Python, Matlab or c++ programming languages - Foundation knowledge of signal processing is a plus 	Prof. Haizhou Li: haizhouli@cuhk.edu.cn Prof. Zhizheng Wu: wuzhizheng@cuhk.edu.cn	
Operations Management & Marketing	Game-Theoretic Modeling in Operations Management & Marketing	<ul style="list-style-type: none"> - Students should have taken the game theory course and get a grade of A- or above. Knowledge with Industrial Organization is preferred. 	Prof. Duo SHI: shiduo@cuhk.edu.cn Prof. Chenxi LIAO: chenxiliao@cuhk.edu.hk	https://sme.cuhk.edu.cn/en/teacher/175 https://www.bschool.cuhk.edu.hk/staff/liao_chenxi/