

• About Us

The School of Artificial Intelligence (SAI) is oriented toward the development needs of China's digital economy and the new generation of information technology industries. It offers five bachelor's programs: Internet of Things Engineering, Computer Science and Technology, Data Science and Big Data Technology, Artificial Intelligence, and Cyber Science and Technology. With a project-driven and practice-oriented educational philosophy that emphasizes learning by doing, SAI is committed to cultivating high-quality application-oriented talent in computer-related fields.

SAI is one of the six schools established at the founding of Shenzhen Technology University. It currently has more than 2,000 students and over 140 faculty and staff members. With a total floor area of over 40,000 square meters, the School can accommodate 4,000 faculty members and students for study and work. It has more than 13,000 sets of teaching and research equipment, with a total value exceeding RMB 283 million.

At present, SAI has been approved for two provincial experimental teaching demonstration centers, one provincial modern industrial college, two provincial university-enterprise joint laboratories, one technology research center under the Guangdong Provincial Department of Education, and one engineering technology research center under the Guangdong Provincial Department of Science and Technology. It has also established multiple research platforms, including the Intelligent IoT Big Data Research Center of the National Engineering Laboratory for Big Data System Computing.

The School emphasizes diversified talent cultivation. In collaboration with leading domestic enterprises and well-known overseas universities, it has established industrial colleges and specialized classes such as the Huawei Future Technology College, Tencent Security Elite Class, Kunpeng Elite Class, Artificial Intelligence Elite Class, OpenHarmony Elite Class, Digital Intelligence Large Model Elite Class, and Embodied Intelligence Elite Class. The School has also established a Center for Technological Innovation to provide students with abundant hands-on opportunities and to foster innovation and competition awareness through platforms such as the UAV Association , the RoboMaster "HJ" Team, and the ACM Algorithm and Programming Innovation Laboratory.

Graduates of the School have joined employers such as Huawei, Tencent, Baidu, ByteDance, DJI, BYD, Xiaomi, and Fibocom. Others have pursued further study at institutions including the University of Chinese Academy of Sciences, Sun Yat-sen University, the University of Hong Kong, Yale University, the University of Sydney, and the University of Edinburgh.



• Programs

Undergraduate Programs: Internet of Things Engineering, Computer Science and Technology, Data Science and Big Data Technology, Artificial Intelligence, and Cyber Science and Technology
Graduate Programs: Computer Technology; Big Data Technology and Engineering

Internet of Things Engineering

Tracks

Intelligent terminal and embedded system development; edge computing and intelligent collaboration; intelligent IoT application development.

Courses

IoT Communication Technology, RFID and Positioning Technology, IoT Sensing and Control Technology, AI Embedded Systems, etc.

Career

Analysis, design, development, testing, operation, and management in IoT-related fields such as smart cities, digital energy, industrial internet, and smart healthcare in the information industry, research institutes, enterprises, public institutions, and government departments.



Computer Science and Technology

Tracks

Domestic open-source operating systems;brain-inspired computing and biomedical intelligent computing.

Courses

Operating Systems, Computer Organization and Architecture, Algorithm Design and Analysis, Data Structures, etc.

Career

Computing research as well as design, development, and application of computer software and hardware systems in large IT enterprises, research institutes, financial institutions, and government departments.

Data Science and Big Data Technology

Tracks

Big data and large model technologies and applications; smart spatio-temporal big data; high-performance computing and storage technologies.

Courses

Foundations of Data Science, Principles and Technologies of Big Data, Data Visualization Technology, etc.

Career

Big data and large model processing, analysis, mining, application, and research in internet enterprises, financial institutions, research institutes, universities, and government departments; integration, design, development, management, and maintenance of big data systems as well as large model technologies and applications across industries.

Artificial Intelligence

Tracks

Multimodal intelligence and visual computing; large models and AI application technologies; embodied intelligence and robotics.

Courses

Mathematical Foundations of Artificial Intelligence, Applications of Deep Learning Methods, Robotics and Embodied Intelligence Technology, Large Model Technology and Applications, Frontier Application Development in Artificial Intelligence, etc.

Career

Junior algorithm development, software development, data analysis, and AI system integration in IT companies, AI enterprises, traditional industries, robotics companies, financial institutions, and research institutes.



Cyber Science and Technology

Tracks

Data and network security; cryptography and applications; artificial intelligence security.

Courses

Mathematical Foundations of Cyber Security, Applied Cryptography, Principles and Practice of Network Security, Artificial Intelligence Security, etc.

Career

Cybersecurity protection system construction, vulnerability detection and emergency response, data security and privacy protection, cyber offense and defense research, compliance consulting and auditing, as well as security product development, operation, and maintenance management in government agencies, national security institutions, the financial sector, large IT and internet enterprises, operators of critical information infrastructure, research institutes, and universities.



• Faculty

SAI currently has 109 full-time faculty members, 13 experimental technical staff members, and 11 administrative and support staff members. Its faculty includes 4 provincial leading talents, 1 scholar listed among the Stanford–Elsevier World's Top 2% Scientists, and 47 Shenzhen high-level talents.

The School has developed a well-rounded faculty team that integrates strong academic backgrounds, international experience, and industry expertise.



• Distinctive Features of Talent Cultivation

Huawei Future Technology College

Jointly established by Shenzhen Technology University and Huawei Technologies Co., Ltd., this is Shenzhen's first Future Technology College oriented toward new ICT technologies and applications. The two sides cooperate in the three key areas of 5G, AI, and HarmonyOS. The collaboration covers curriculum development, co-construction of ICT-related discipline clusters, faculty development, student employment, talent certification, and social services, forming a comprehensive university-enterprise partnership.



Kunpeng Elite Class

As Guangdong's first "Kunpeng Elite Class," this program is jointly developed with Huawei. It focuses on fundamental technologies in the Kunpeng/Ascend computing industry and industrial applications based on the Kunpeng and Ascend computing platforms. The program aims to cultivate students' core knowledge and skills in the Kunpeng/Ascend ecosystem, stimulate innovative thinking, and enhance hands-on practical ability. It offers dedicated scholarships as well as priority internship and employment recommendations from enterprises in the Kunpeng/Ascend ecosystem.

OpenHarmony Elite Class

This class is jointly offered with Shenzhen Kaihong Digital Industry Development Co., Ltd., Unionman Technology Co., Ltd., Shenzhen Xunfang Technology Co., Ltd., and other enterprises. It focuses on the industrial application of China's open-source operating systems and cultivates talent for the computing industry in this field. Students in the class have access to dedicated scholarships, priority entry into research laboratories, opportunities to participate in relevant projects, and priority enterprise practice and internship opportunities.



Tencent Security Elite Class

This is China's first specialized class in network and data security established with the support of Tencent Security Lab. Oriented toward practical needs in the field of cybersecurity, it jointly develops specialized courses and internship/training environments with industry partners, and gives students priority access to internships and employment opportunities in security laboratories. The program is dedicated to becoming a benchmark for the cultivation of high-end application-oriented cybersecurity talent. Approximately 40 students are admitted each year through college entrance examination.



Artificial Intelligence Elite Class

Relying on Baidu's PaddlePaddle AI technology ecosystem, this class is closely aligned with current AI development trends and industrial demands. Focusing on core areas such as computer vision and intelligent recommendation systems, it cultivates AI professionals through systematic study of specialized knowledge, in-depth exploration of large model technologies, broad application of deep learning, and practice in industrial empowerment. The class offers dedicated scholarships and priority internship and employment recommendations with Baidu and its ecosystem enterprises.



Embodied Intelligence Elite Class

This industry-education integration class is jointly established with UBTECH Robotics Corp. Ltd. Based on talent needs in the embodied intelligence industry, the two sides jointly develop an application-oriented talent cultivation plan and curriculum system that align with market demand, co-develop university-enterprise courses, establish teaching and innovation laboratories in embodied intelligence, and jointly organize skills competitions, professional certification, science popularization activities, internships, and employment services. The program aims to enhance students' practical ability and employability and to cultivate high-level application-oriented engineering talent in embodied intelligence.

Digital Intelligence Large Model Elite Class

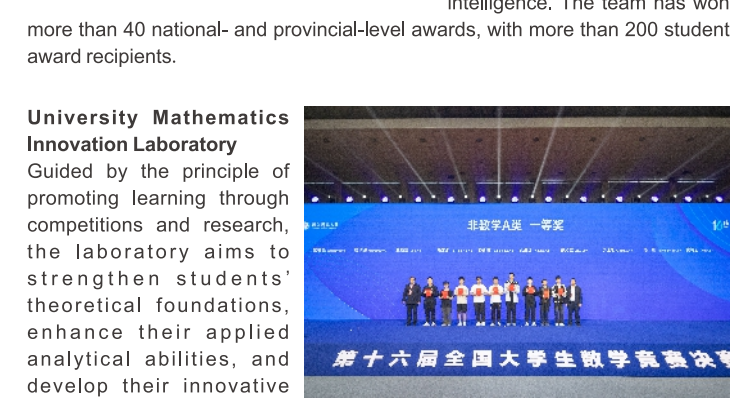
This class is jointly established with Alibaba Cloud Computing Co., Ltd., DingTalk (China) Information Technology Co., Ltd., and iFLYTEK Co., Ltd. It is China's first large-model elite class jointly built by a university together with these three leading AI enterprises. Through university-enterprise collaborative innovation centers, agent development platforms, and the introduction of real industrial projects, the program cultivates high-end interdisciplinary and application-oriented talent with capabilities in big data technologies, large model research and development, agent application development, and the implementation of AI solutions in industry scenarios. The class offers dedicated scholarships and may recommend students for internships and employment at these companies, and their ecosystem enterprises.

Center for Technological Innovation

UAV Association
As one of the four major student associations at the University, UAV Association integrates four key functions: independent research and development of autonomous UAVs, multi-source fusion 3D reconstruction and visualization, outdoor large-scale UAV swarm performance and swarm control, and imaging technical support. In recent years, it has won more than ten provincial- and national-level awards. It has also obtained dozens of patents, including more than ten invention patents.



RoboMaster HJ Team
The team is dedicated to scientific research innovation and competition practice, organizing students to participate in RoboMaster competitions and related events. Its current research directions include IoT terminals, IoT control, robotic architectures and principles, visual perception, and artificial intelligence. The team has won more than 40 national- and provincial-level awards, with more than 200 student award recipients.



University Mathematics Innovation Laboratory
Guided by the principle of promoting learning through competitions and research, the laboratory aims to strengthen students' theoretical foundations, enhance their applied analytical abilities, and develop their innovative practical skills. Its current research areas include mathematical modeling, data analysis, signal processing, and machine learning. The laboratory trains and organizes students to participate in discipline competitions and also guides students in project practice. So far, the laboratory has published 5 conference papers, won 6 national-level awards, and received more than 300 provincial-level awards.

ACM Algorithm and Programming Innovation Laboratory
Centered on the International Collegiate Programming Contest (ACM-ICPC), the laboratory uses competitions to promote students' all-round development in algorithms, engineering, and scientific research, while cultivating specialized talent in algorithms and programming. In just a few years since its establishment, the ACM training team has won 19 national first prizes in major algorithm competitions such as ICPC, RAICOM, CCSP, GPLT, the Lanqiao Cup, and Baidu Star, along with nearly 200 other national-level awards and more than 500 provincial-level awards.

OpenAtom Open Source Makers Association
The association aims to help students understand the architecture of open-source knowledge, learn various open-source technologies, support the development of open-source ecosystems such as OpenHarmony, and attract more students to participate in open-source communities. By organizing expert lectures, technical sharing sessions, developer conferences, competitions, project practice, and research projects, it accelerates the development of an open-source talent ecosystem. To date, it has won more than 20 national- and provincial-level awards, including a national first prize in the "Challenge Cup."

Fifth Space Cyber Security Enthusiasts Association
The association is dedicated to project practice and research innovation related to cyber security. It organizes and mentors students to participate in various competitions on security. Its main research areas include cyber offense and defense, digital forensics, artificial intelligence security, and cryptography. The association currently has more than 100 student members, has applied for multiple invention patents, and has won more than ten national-level awards.



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