



World Digital Technology Academy



INTERNATIONAL CHIEF AI OFFICER

# International CAIO Certification Program



**The Essential Course for Leaders in the  
Age of Artificial Intelligence**



# International CAIO Certification Program

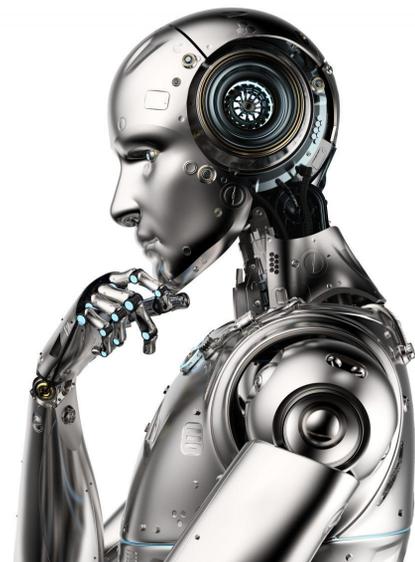
In October 2023, President Biden of the United States signed and promulgated the Executive Order on the Safe and Reliable Development and Use of Artificial Intelligence, requiring all functional government agencies to set up **Chief Artificial Intelligence Officer (CAIO)** to strengthen the competitiveness of the United States in the global AI field, promote technological innovation and economic development, and ensure the ethical and compliance application of AI.

In January 2024, the European Commission launched a package of measures, including the "GenAI4EU" initiative and the establishment of an AI office, to support the **development of generative AI in Europe**, promote the consistent implementation of the EU AI Act, promote research and innovation in the field of trusted AI, and establish the EU's position as an international leader in AI discussions.

In March 2024, the **"AI+" action** was first proposed in the government work report of China's two sessions, opening a new chapter in the application of AI technology in the industry.

## Role of CAIO

- Maximize the value of AI in business
- Develop AI strategy
- Supervision of AI project
- Selection of AI technology
- Develop risk management/operational policies





At present, more than 100 enterprises have set up the position of Chief Artificial Intelligence Officer (CAIO). These enterprises promote the deep integration of AI technology in the company's operations, products and services, improve business efficiency, create new market opportunities, and ensure that technology applications comply with ethical and legal requirements by setting up CAIO.

## Appointment of CAIO of well-known enterprises



**Florin Rotar**

Microsoft solution provider Avanade named Florin Rotar CAIO. Florin will lead the global AI strategy and execution, help customers accelerate their journey to become AI First, and maximize ethical standards, privacy and social impact.



**Philipp Herzig**



Philipp Herzig, as the CAIO of SAP, is fully responsible for the value chain of SAP business AI and oversees the entire value chain of SAP business AI from research and product development to customer implementation. Herzig's team will work closely with other innovators within SAP with the goal of integrating AI into the entire product portfolio.



**David Salvagnini**

NASA appointed David Salvagnini as its new CAIO. This position is an extension of Salvagnini's current role as Chief Data Officer. NASA uses a variety of AI tools to support the missions and research projects of the entire organization, analyze data to reveal trends and patterns, and develop systems that can independently support spacecraft and aircraft.



**Parminder Bhatia**



As the CAIO of GE Healthcare, Parminder Bhatia is committed to integrating AI technology into the R&D, production, operation and maintenance process of medical equipment. His work is not limited to technology integration, but also includes the development and implementation of AI strategic planning, aiming to improve the quality of patient care, improve operational efficiency and optimize treatment outcomes.



**Lan Guan**

Lan Guan is currently the CAIO at Accenture. She advises cross-industry executive clients on developing and implementing data and AI strategies and products with the strategic goal of helping businesses thrive in the new era of generative AI.



**Jeff Boudreau**

Dell Technology appointed Jeff Boudreau as the first CAIO of the company. Boudreau firmly believes that artificial intelligence can definitely change the rules of the game and is driving fundamental changes in the pace of innovation.



**Chandra Donelson**



The US Air Force Department announced that Chandra Donelson was appointed as the acting CAIO, responsible for leading the development and implementation of the Air Force's data management strategy and artificial intelligence applications.



**Qiang Yang**

Qiang Yang served as the Chief AI Officer of WeBank and was an academican of the Canadian Academy of Engineering. WeBank became the first commercial bank in China to set up a "chief artificial intelligence officer", which also opened the AI layout of WeBank.





## International CAIO Certification Program

# DigiBridge

Bridging the global digital skills gap for everybody

The **International CAIO Certification Program**, launched by the World Digital Technology Academy (WDTA) in the **27th UN CSTD side event: Shaping the Future of AI** in April 2024, is an integral part of the UN-WDTA DigiBridge initiative. The I-CAIO program is dedicated to cultivating senior professionals capable of comprehensively leading and managing enterprise AI strategies, helping companies fully leverage AI technologies for continuous innovation and digital transformation.

Through systematic training in the I-CAIO certification program, participants will receive expert instruction from industry leaders across ten key modules, covering strategy, technology, business, governance, and more. This comprehensive training will enhance their strategic thinking and open up new perspectives. Additionally, participants will strengthen their engineering and practical skills through personal, group, and enterprise projects, designed to develop CAIOs with C-Level expertise in AI strategy, AI business, AI management, and engineering leadership.



**Technology Strategy**



**Business management**



**Regulatory Governance**



**Sustainable Development**



the 27th UN CSTD Annual Meeting  
April 2024 Palais des Nations, Geneva,

## 参与对象



**Digital Enterprise Executives  
Chairman, CxO**



**Enterprise CTO  
AI Technology Expert  
Digital Product Specialist  
Potential CAIO or CEO  
Candidate**



**Government AI Policy Maker  
Technology Management Official**



**Researcher in the Cutting-Edge Field of AI Technology**



# Project Content



## I-CAIO Training Camp

Enhance Strategic Awareness and Engineering Proficiency

**You will listen to the thoughts and experiences of internationally renowned AI scientists, strategists, entrepreneurs and senior experts in this field, and through exchanges with lecturers, you will broaden your knowledge and improve your ability.**

Understand the latest business crisis, quickly update the knowledge system of digital technology, strategic thinking and leadership, technology application ability, engineering practice ability, safety and compliance management, comprehensive analysis and innovation ability.



## Study Tour Inspection

Benchmarking Innovative Thinking

**You will conduct on-site visits and learn from leading enterprises, universities, and international organizations.**

Learn from benchmark enterprises, stimulate innovative thinking and inspiration, and promote innovation; Improve self-management and teamwork ability; Enhance international vision and cultivate social responsibility, and comprehensively improve the comprehensive quality and ability of the AI era.



## International conference

Establish a Global Network Build an International Image

**You will be invited to participate in WDTA's global brand conferences.**

Access to information to enhance competitiveness and market sensitivity; Display the brand and enhance the popularity and industry authority; Establish a global business network and expand cooperation opportunities; Obtain new business inspiration and innovative ideas to promote the innovative development of enterprises.

**Project period: 6 months**





## I-CAIO Training Camp

Through CAIO training camp, you will comprehensively improve your understanding and practical ability of generative AI technology and its commercial application, and become an expert in this field. Whether in technology research and development, business automation, product management or corporate strategy, you can apply your knowledge to promote enterprise innovation and development.

### Knowledge Module

\*Subject to the actual course content

#### Part I: The CAIO's Strategic Vision

- Module 1:** The Rise of the Chief AI Officer
- Module 2:** Crafting Your AI Master plan
- Module 3:** Establish an elite team of AI experts

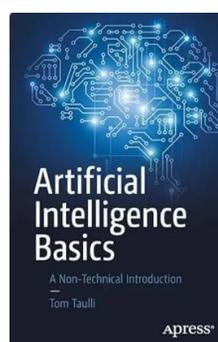
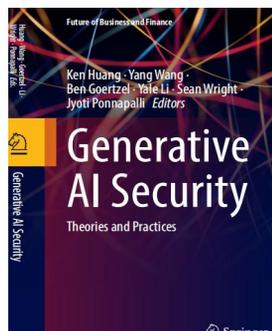
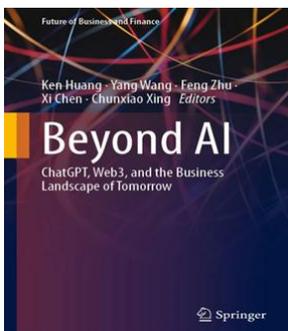
#### Part II: Master the AI technology landscape

- Module 4:** GenAI technology and its application in business, product, service, and process management
- Module 5:** Data Management and Governance

#### Part III: Driving AI Transformation from Vision to Reality

- Module 6:** Implementing AI Across the Enterprise
- Module 7:** Transforming Business Models with GenAI
- Module 8:** GenAI Leadership: Transforming Business as CAIO
- Module 9:** CAIO GenAI Toolkits for Success
- Module 10:** Real-World Case Studies in GenAI Implementation

### Learning Guidance Materials



*EU AI Act  
AI Liability Directive  
Regulatory Approaches to  
Promote AI Innovation  
Executive Order on the  
Development and Use of  
Safe and Trustworthy AI*



## Training Camp Practical Projects

The trainees of the training camp will need to complete individual projects, group projects and enterprise projects in the 6-month learning cycle. Through multi-level practical training, they will help trainees to deeply master AI technology, solve practical problems, improve team cooperation ability, and directly apply it to the actual needs of enterprises.



### Individual Project

The instructor of the training camp directly assigns tasks and completes them independently.



### Group project

Students will be divided into several groups, each group is responsible for a course scenario project set by the course instructor.



### Enterprise project

Key projects encountered by students' enterprises.

## Comments of experts

Each trainee's project will receive personal comments from experts in the training camp, and authoritative analysis will be made from multiple dimensions, such as technical depth, innovation, and market prospects, to help trainees further improve project quality, break through technical bottlenecks, establish and expand high-quality industry networks, and occupy a favorable position in future career development.



# Special Guests



**Peter Major**

Vice Chairman of UN CSTD; Founding Chairman of the WDTA

Professor Major has more than 30 years of leadership and management experience in the United Nations and has held various positions. Among them, he formulated the technological innovation policy of the UN CSTD during his more than ten years of work in the Commission. In addition, he has worked in the ITU for more than 20 years, responsible for supervising the Internet governance work of the UN and the cooperation between the United Nations and the European Commission in network related fields, and has accumulated rich work experience.



**H.E. Tshilidzi Marwala**

Deputy Secretary General of the United Nations President of the United Nations University

Professor Marwala is an accomplished scholar and thought leader. He has served as a visiting scholar/professor in universities in the United States, the United Kingdom, China and South Africa, and has rich academic, policy, management and international experience. His research is multidisciplinary, involving the theory and application of artificial intelligence in engineering, social science, economy, politics, finance and medicine, and is committed to using technology and global connectivity to achieve sustainable development goals.



**H.E. Muhammadou M. O. Kah**

Chairman of the UN CSTD Vice President of American University in Nigeria

Professor Kah has rich experience in science, technology and education. He has successively served as the founding chairman of Zenith Bank in Gambia, the vice president of Gambia University, the vice president of the Academic Affairs Office of American University in Nigeria, and the founding president of the School of Information Technology and Communication of American University in Nigeria. His professor is keen on promoting and strengthening computer science and engineering research, leading enterprise strategic development and innovation.



**Feifei Li**

Professor, Department of Computer Science, Stanford University Director of Artificial Intelligence Laboratory and Vision Laboratory

Professor Li is one of the main initiators of the ImageNet project. She has made great achievements in the field of computer vision and deep learning, which has promoted the development of modern artificial intelligence. Li Feifei enjoys a high reputation in the academic world, has published many important papers, and is committed to applying AI technology to medical and other practical scenarios, and is committed to realizing the vision of "AI for everyone".



**Yale Li**

Executive Director of the WDTA Chairman of Cloud Security Alliance Greater China Region

Academician Li is an internationally renowned digital science strategy expert, network and information security expert, and an academician of the National Academy of Engineering of Ukraine. He has successively served as the chief network security expert and international CSO of Huawei Group, the global chief security architect of Microsoft, and the chief technical architect of China's CISO and IBM's global services.



**C.C. CHAN**

Academicians of the Chinese Academy of Engineering Royal Academy of Engineering Member of the Hong Kong Academy of Engineering Sciences

Academician Chen, known as the "father of electric vehicles in Asia", put forward the core and overall guiding ideology of electric vehicle research, carried out revolutionary development and innovation of electric vehicle technology, and won many international awards, including 9 research achievements that won British patents. Academician Chen shuttles between the mainland of China and countries in the United States, Europe and Asia every year to promote scientific and technological exchanges between China and the world.



## Technology and innovation, AI technology trend



**CLAES DE VREESE**

Amsterdam

Professor of Intelligence and Sociology

Professor VREESE focuses on the application of AI in media and democracy. He led the political communication and journalism project team and co led the information, communication and data society platform. He founded the Center for Politics and Communication, and is the current president of the International Communication Society, dedicated to promoting interdisciplinary AI research and education.



**Song Guo**

Academician of Canadian Academy of Engineering, Academician of European Academy of Sciences

Academician Guo's research fields include edge artificial intelligence, 6G, big data and machine learning, mobile computing and distributed systems. He serves as the current editor in chief of the IEEE Open Journal of the Computer Society, an international academic journal, and was a member of the editorial board of IEEE Transactions series of international academic journals.



**David Dalrymple**

MIT Research Scientist

David Dalrymple is a doctoral candidate in neuroscience at Harvard University. Doctor of Artificial Intelligence, MIT. Research fields include application category theory, artificial intelligence security, mathematical modeling, machine Learning, nervous system imaging and simulation, information theory, control theory, philosophy of mind, ethics. He is a co inventor of the Filecoin protocol suite. Filecoin is now the top 30 cryptocurrency, with a market value of more than \$10 billion at its peak.

## Security and privacy, protecting enterprise core digital assets



**Ken Huang**

Co leader of WDTA AI STR WG  
CEO of American Distributed Apps

Ken Huang is a well-known expert in the field of artificial intelligence and Web3. He has worked in CGI for 18 years as CGI's security technical director, chief security architect and other positions. When working in CGI, he has provided expert advice on finance, artificial intelligence, blockchain and other aspects for the U.S. federal government, financial institutions and utility companies; Served as chief expert of Huawei blockchain; He is the chief editor of many books, such as "Generic AI Security: Themes and Practices".



**Andrew Wang**

CSO of Shanda Group

Anyu Wang has more than 20 years of experience in ICT and digital security. He was the chairman of OPPO Mobile Terminal Security Committee, and built OPPO terminal security compliance system from 0 to 1; Huawei's chief data security architect and other positions are responsible for building the security technology and competitiveness of Huawei's 2G~5G network equipment and flagship mobile phones. Postgraduate tutor (part-time) of the School of Management of China University of Mining and Technology, with 25 ICT invention patents.



**Larry Jia**

Vice President of the  
Research Institute, CSA GCR

Liangyu Jia is a well-known expert in the field of digital security, with senior executives and entrepreneurial experience of the world's top 500 companies, leading the listing, internationalization and M&A integration of two companies, which were acquired in the United States. He is a distinguished expert in Beijing and Zhejiang Province, chief safety scientist of Hangzhou Institute of the Chinese Academy of Sciences, visiting professor and government consultant of Zhejiang University and other universities.



## Practice and application, AI drives business digital intelligence



**Zoubin Ghahramani**

Vice President of Google Research

Zoubin Ghahramani is the most influential AI/machine learning researcher in the world. He is a professor of information engineering in Cambridge, leading a research team with 30 researchers. He is also the founder of Gatsby computational neuroscience group in London, Alan Turing Research Institute, one of the founding tutors of the National Institute of Data Science.,



**Hu Yu**

iFLYTEK Corporation founder

Yu Hu is the co-founder of iFLYTEK, and once served as the executive president of iFLYTEK, responsible for the overall operation and strategic planning of iFLYTEK. He has rich experience and profound academic background in the field of artificial intelligence and voice technology, and led the team to make remarkable achievements in intelligent voice and language technology.



**Qiang Yang**

Academician of Canadian Academy of Engineering

Academician Yang is internationally recognized as the world's top scholar and practice expert in artificial intelligence, a leader in "transfer learning" and "federal learning" in important fields of artificial intelligence, the first Chinese academician of the American Association of Artificial Intelligence (AAAI), and an outstanding scientist of the American Computer Association (ACM). He is the first appointed chief artificial intelligence officer in China, responsible for WeBank's adoption of AI technology strategy.

## Law and ethics, sustainable development of artificial intelligence



**Joanna Bryson**

Professor of Computer Science, Oxford University

Professor Bryson's main research interests are artificial intelligence, robot ethics and other fields. She is one of the well-known scholars in the field of AI ethics, and her research involves the moral and social impact of AI. She once served as the chairman of IEEE Global Initiative on Ethics of Automotive and Intelligent Systems, and was the editorial board member of several international conferences and journals.



**Stuart Russell**

Professor of Computer Science at the University of California

Professor Russell has won a number of scientific honors, including the National Science Foundation President's Young Fellow Award, the International Joint Conference on Artificial Intelligence (IJCAI) Computer and Thought Award, the International Computer Society (ACM) Carlstrong Outstanding Educator Award, and was invited to speak at TED and the World Economic Forum. He is the main author of Artificial Intelligence: A Modern Method, a "standard textbook" in the field of artificial intelligence.



**Matei Zaharia**

Associate Professor at the University of California, Berkeley

Professor Matei Zaharia's primary research areas include computer systems for large-scale workloads, such as artificial intelligence, data analytics, and cloud computing. He founded the Stanford DAWN Lab, which focuses on usable machine learning infrastructure, and has led several open-source projects, including Apache Spark, Apache Mesos, and Spark Streaming.



## Study Tour Inspection

Our study tour project will be carried out in the way of visiting universities, top AI research institutions and leading enterprises. Through cooperation with colleges and universities, let students walk into the campus again, listen to the wonderful lectures of famous professors, and carry out discussions and exchanges with students; Through visiting local excellent AI scientific research institutions and leading enterprises, we can deeply understand the cutting-edge technology and best practices of AI, and establish a potential partnership network for global business cooperation.



# Study Tour Inspection

 <p>University of Washington</p>  <p>Stanford University</p>  <p>New York University</p>	 <p>UNIVERSITÉ DE GENÈVE</p>  <p>GENEVA GRADUATE INSTITUTE</p>	 <p>香港大學 THE UNIVERSITY OF HONG KONG</p>  <p>香港科技大學 THE HONG KONG POLYTECHNIC UNIVERSITY 香港理工大學</p>  <p>清華大學 Tsinghua University</p>  <p>中國科學技術大學 University of Science and Technology of China</p>  <p>上海交通大學 SHANGHAI JIAO TONG UNIVERSITY</p>	 <p>NUS National University of Singapore</p>  <p>NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE</p>
        	    	        	    

United States

Innovation and application of key technologies, latest technology trends and business cases

Europe

Key AI governance, international relations and legal compliance

China

Innovation and application of key technologies, Chinese laws and regulations and market prospects

Singapore

Focus on laws, regulations and market opportunities in Southeast Asia



# International Conference



## Commission on Science and Technology for Development - Annual Sessions

**Date:** once a year  
**Location:** Geneva, Switzerland  
**Organizer:** United Nations Commission on Science and Technology for Development (UN CSTD)  
**Introduction:** The United Nations Conference on Science and Technology is an intergovernmental forum held by UN CSTD. It is held once a year to discuss relevant issues affecting science, technology and development.



## Multi-stakeholder Forum on Science, Technology and Innovation for the SDGs

**Date:** once a year  
**Location:** New York, USA  
**Organizer:** Division for Sustainable Development Goals, United Nations Department of Economic and Social Affairs  
**Introduction:** The United Nations STI Forum is held once a year to discuss cooperation in science, technology and innovation around various thematic areas of implementing sustainable development goals.



## Digital World Conference

**Date:** once a year  
**Location:** worldwide, including the United States, China, Switzerland and other countries  
**Organizer:** World Digital Technology Academy (WDTA)  
**Introduction:** The Digital World Conference is an international event where WDTA and its partners jointly release the world's advanced digital specifications and standards, share global practices, display exciting achievements in the digital field, and provide global recognition.



## Boao Forum for Asia (BFA)

**Data:** once a year  
**Location:** Hainan, China  
**Organizer:** Secretariat of Boao Forum for Asia  
**Introduction:** The Boao Forum for Asia regularly holds annual meetings in Boao, Hainan every year. The original purpose of the forum is to promote economic integration in Asia. Today's mission is to pool positive energy for the development of Asia and the world.



## World Economic Forum

**Data:** January 20-24, 2025  
**Location:** Davos, Switzerland  
**Organizer:** World Economic Forum  
**Introduction:** The World Economic Forum, also known as the "Davos Forum", is an unofficial international institution that aims to study and discuss the problems in the world economy and promote international economic cooperation and exchanges. It is committed to improving the world situation through public-private cooperation.



## AI for Good Global Summit

**Data:** July 9-11, 2025  
**Location:** Geneva, Switzerland  
**Organizer:** International Telecommunication Union  
**Introduction:** The "AI for Good" Global Summit is jointly organized by the International Telecommunication Union and 40 sister agencies of the United Nations, aiming to determine the practical application of artificial intelligence, promote the sustainable development goals of the United Nations, and expand the global influence of these solutions.



## Certificate Issuance



The I-CAIO International Chief AI Officer Certificate, issued by the World Digital Technology Academy (WDTA), aims to provide recognition and assurance for professionals who reach a certain level of expertise.



WDTA is an international non-governmental organization registered under the guidance of the United Nations Commission for the Advancement of Science and Technology, which follows the United Nations guidance framework and supports the United Nations sustainable development goals. Adhering to the "3S" concept of speed, security and sharing, WDTA is committed to accelerating the establishment of norms and standards in the digital field, leading the innovation and research of digital technology, cultivating advanced digital talents, promoting international scientific and technological cooperation, promoting the sustainable development of the digital economy, realizing the benefits of digital technology for mankind, and not letting anyone fall behind.

## Assessment Criteria

**Completion Requirements:** All assignments must be completed, and attendance must be perfect.

**Requirements for Obtaining the International CAIO Certificate:** In addition to meeting the completion requirements, candidates must also submit one paper suitable for publication in WDTA's internal publications. They must also deliver a public speech at a major technology industry conference during the learning period and provide relevant proof of this.

**Evaluation Dimensions:** Individual assignments, group assignments, enterprise project assignments, daily performance of students, organizational contributions.

**Evaluators:** Evaluations will be conducted by a panel consisting of project guests, instructors, class advisors, and group leaders.



## You will receive



- International CAIO Certificate
- CAIO Training Camp Completion Certificate
- Management Medal (for excellent team leader)
- Honor trophy (for excellent students)



- Outstanding students can apply to join the WDTA expert committee
- Class committee members can apply to join WDTA-CAIO Club
- All students will obtain WDTA individual membership



- Personal advice from the world's top authoritative experts and leaders in science and technology
- Group photo with the world's top scientific and technological authoritative experts and teachers
- Student address book of CAIO certification training camp



- Excellent enterprise projects have the opportunity to be exposed at world-class scientific and technological conferences
- Priority Participation in International Conferences
- Visiting opportunities for internationally renowned enterprises/universities



Join the CAIO Program Now



## Application Requirements

Enrollment in this program follows a recommendation, pre-screening, and comprehensive evaluation mechanism. Applicants must meet the following criteria:



Bachelor's degree or higher  
Over 5 years of experience in technology-related fields  
Over 3 years of management experience



Basic English communication skills, supported by relevant proof such as IELTS scores, overseas academic credentials, or an English resume.



Three letters of recommendation issued by authorities in academia, senior corporate executives, or high-ranking officials from government or industry organizations.

### **The following conditions are considered as additional advantages and may result in priority admission:**

- Holding internationally recognized certifications in artificial intelligence, CSA (Cloud Security Alliance), or related technology fields.
- Work experience in large companies (500 employees or more).
- Experience in public speaking at international conferences.
- Publication of papers in technology journals.

## Contact Person

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World Digital Technology Academy



INTERNATIONAL CHIEF AI OFFICER



**World Digital Technology Academy**

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