

NASDAQ: RR

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## **ABOUT RICHTECH ROBOTICS**



Richtech Robotics designs, develops, and commercializes service robots. The company provides hospitality and healthcare businesses with automated ecosystems that support their human workforces, addressing industry labor shortages and allowing them to increase their ROI and work more efficiently.

#### **Major Products**

- ADAM, an AI enabled dual armed robot that can efficiently craft beverages and captivate audiences in the process. ADAM has been successfully deployed as a bartender, coffee barista and boba tea barista, and is learning new drink recipes every day
- DUST-E, a mobile cleaning robot that provides robust and reliable cleaning to all types of floors. Our DUST-E lineup includes three models of differing sizes to address environments of varying sizes
- Matradee and Richie, delivery robots designed for restaurant and hotel applications. Matradee focuses on providing constant high volume support to restaurants, while Richie allows hotels and hospitals to complete secure deliveries autonomously

#### **Top Clients**

Boyd Gaming, Pizza Ranch, Panda Express, Golden Corral, Hilton, Sodexo, and Delaware North

## **INVESTMENT HIGHLIGHTS**

- World's FIRST AI driven, total robotic solutions provider in food tech
- Model generates long term recurring revenue and fuels rapid growth
- AI-powered robotic solutions include:
  - Opening branded food and beverage establishments
  - Selling and/or leasing service robots
- Estimated 1000+ locations within 5 years
- Disruptive Internet of Robotic Things (IoRT) and AI enable seamless global robot management and deployment
- Highly diversified \$230 billion addressable market



# **CUSTOMER ENDORSEMENT FAST ADOPTION AND MORE TO COME**









## cinépolis











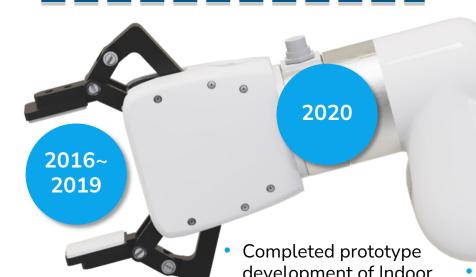




## RICHTECH'S DEVELOPMENT ROADMAP



2023

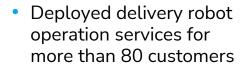


- Service Robot Platform Development
- Robotic ARM's Al controlling system

- development of Indoor delivery robot
- Developed Cloud Platform to realize data sharing of robots in multiple application scenarios in the future
- Completed prototype development of commercial cleaning robots

2021

- Started to deploy Matradee series Food delivery robot based on catering industry and achieved success
- Completed prototype development of ADAM's twoarm collaborative robot



2022

- Developed and commercialized ADAM dual-arm collaborative robot based on commercial scenarios such as wine, coffee, and milk tea

Launching our very own robotic boba tea and coffee shops, and revolutionizing the food industry with cutting-edge food trailers featuring integrated robots

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## **MARKET IS CALLING**



Serviceable Addressable Market





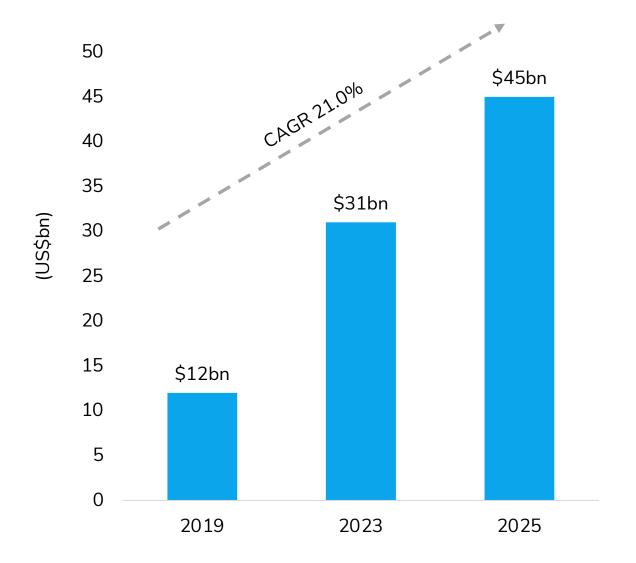
## \$45 Billion

Smart hospitality revenue forecast CAGR 21%

2019: \$12B 2023: \$31B 2025: \$45B

## \$10 Billion

North America has been holding the highest share in the global hospitality robots market.<sup>1</sup>



#### NOTE:

<sup>1.</sup> Frost & Sullivan report Trend Opportunity Profile: Human Robot Collaboration February 2022 K6E4-36 estimated professional service category revenue in 2025 will be ~\$230B

## **MARKET OPPORTUNITY**

#### **Labor Shortage In The Market**

- The hospitality industry has always been an industry of high volatility, with turnover rates sitting at 74.9% pre-pandemic. This is a significant problem for hospitality businesses, as turnover and labor shortages significantly affect their product
- When the pandemic hit, hospitality workers changed industries and haven't come back.
   As of January 2023, the restaurant industry is still struggling to fill 450,000 jobs and 79% of hotels are facing staffing shortages
- This has led to the hospitality industry increasing the pay of their workers by 16% since the pandemic began, which is significantly higher than the 3-4% yearly increase they have historically received
- Richtech solves the labor shortage and inconsistent product problems that have always
  plagued the hospitality industry through supplying cost effective mobile delivery robots,
  intelligent commercial cooking, and cleaning robots
- Commercial automation solutions under the new normal: ADAM robotic stores, automatic vending robots

#### **Industry Status Achieved So Far**

- Mobile delivery robot: No. 1 in US market share and customer order stock
- The ADAM series of dual-arm collaborative robots: the only robot of its kind that has entered commercial operation, with over 100 confirmed orders and extensive media coverage

### Target Market Share

America's No. 1 in Service Robotics



# ADVANTAGE OF RICHTECH'S R&D

## RICHTECH

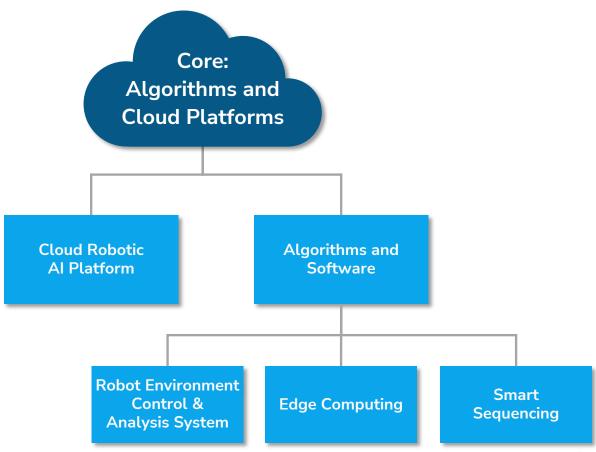
#### **INTERNET OF ROBOTICS THINGS**

- Cognitive Collaboration
- Data Collection and Sharing
- Al enriched voice commands
- Digital transformation





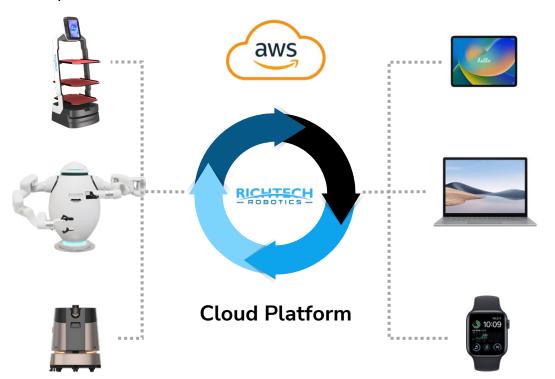
RICHTECH always insists on putting R&D innovation first: Focus on AI algorithms and cloud management software



# RICHTECH TECHNOLOGY APPLICATIONS

#### INTELLIGENT CLOUD PLATFORM

- Al driven multi-robot collaboration
- Encrypted data & communications management, cloud backup based on AWS platform
- Available on multiple platforms such as smartwatches, mobile phones, tablet or PC





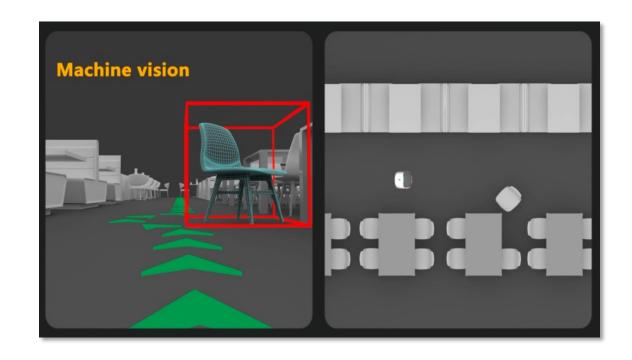
#### **AI-POWERED CUSTOMER INTERACTION**

- Engage customers like never before: Advanced generative language model for natural, immersive conversations
- Customized recommendations:
   Intelligent menu item suggestions based on preferences, interactions,
   and real-time analysis



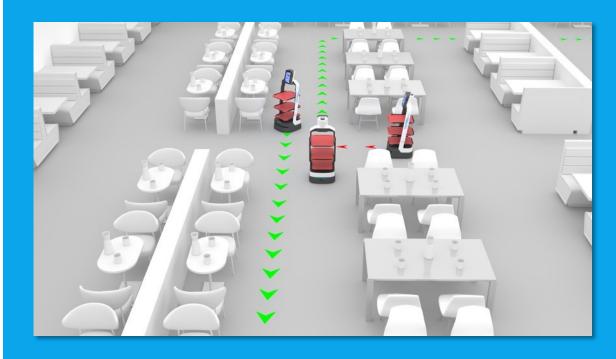
# INTELLIGENT NAVIGATION AND SCHEDULING





#### **WE SEE**

LiDAR-based SLAM navigation system with depth perception able to identify static and moving obstacles within milliseconds.



## **WE COLLABORATE**

Intelligent mobile sequencing coordinate multirobot deployments and actively improves scheduling efficiency via M2M learning.

## **INTELLECTUAL PROPERTY**



#### Intellectual Property

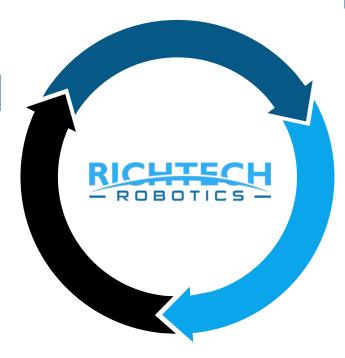
Application Number	Title	Country	Filing Date	Status
17549815	Tray stabilizer system for food delivery robots	U.S.	December 13, 2021	Pending
29790385	Service robot	U.S.	November 24, 2021	Pending
29790387	Cleaning robot	U.S.	November 24, 2021	Pending
17817639	Autonomous cleaning robot system and method	U.S.	August 4, 2022	Pending
29846011	Vending machine assembly for an autonomous delivery robot	U.S.	July 12, 2022	Pending
29791849	Cleaning robot	U.S.	February 12, 2022	Pending
29836627	Debris gathering brush assembly for a cleaning robot	U.S.	April 28, 2022	Pending

## **BUSINESS OPERATION MODEL**



#### RaaS Model

- Robot-as-a-Service (RaaS) offering for clients
- Delivery Robots: High volume environments such as hospitals and restaurants
- DUST-E: Perform routine commercial cleaning



#### **Cooperative Operation**

- Strategic partnerships with coffee shop chains and renowned restaurants
- Co-branded operations for mutual growth and shared resources
- Targeting over 1,000 nationwide locations within the next five years

#### **Independent Operation**

- Introducing Cloutea, the world's first robotic Boba tea shop
- Expanding Cloutea under a franchising development model
- Goal to open 100 Cloutea shops per year







## **COMPETITIVE LANDSCAPE**



## THE WORLD'S FIRST TOTAL AUTOMATION PROVIDER IN FOODTECH









#### **KITCHEN**



creator.



















#### **BARISTA + BARTENDER**









#### **SERVICE BUSSING**









# PRODUCT MATRIX BUILT ON CLIENT VALUES



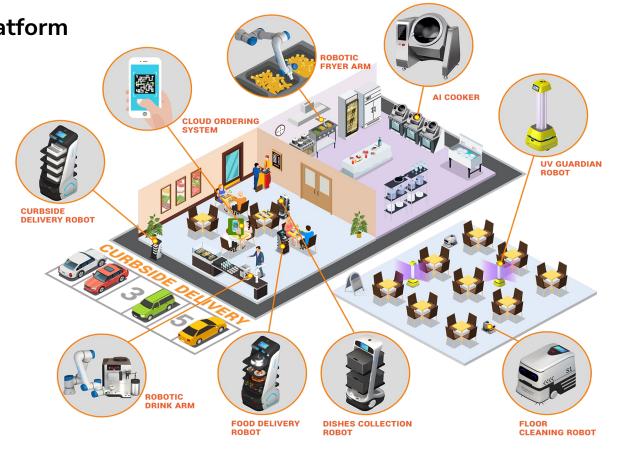
Our goal is to utilize robots for up to 80% of jobs in the service industry. Robots will take on the repetitive and mundane tasks and allow operators in the service industry to focus on what really matters, the customer experience.

#### Unified RaaS (Robot-as-a-Service) cloud platform

- Dual-arm collaborative robots
- Delivery robots
- Cleaning robots
- Service network

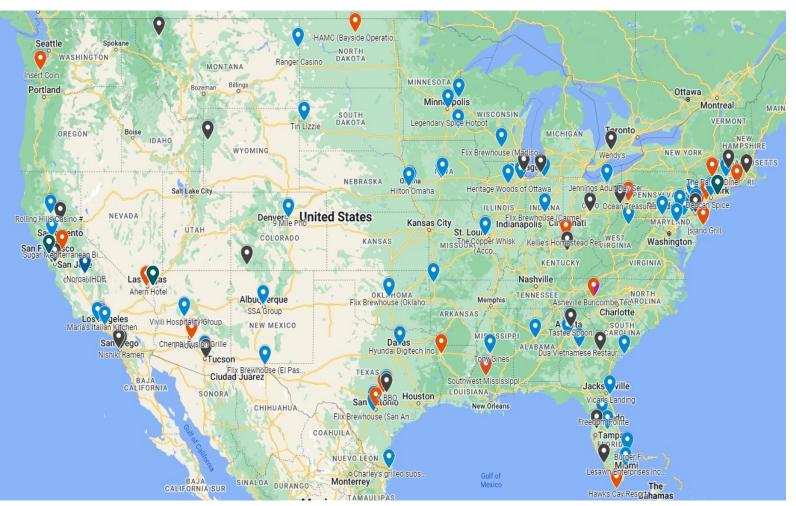
#### **Client Values**

- Less labor dependent
- Simpler Operations
- Higher Profit Margins



## **EXISTING CLIENT COVERAGE**





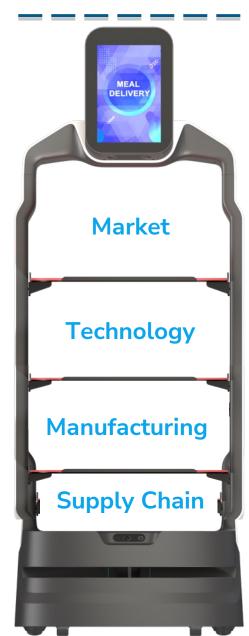
As of June 2022, Richtech's service robots have been installed for more than 100 customer stores in 80 cities across the United States.

By the end of 2025, it is expected to cover more than 200 cities in 50 states and 1,000 storefronts.

- Pelivery & Service Robot
- Cleaning Robot
- Q ADAN
- In Process

### **BUSINESS STRATEGY**



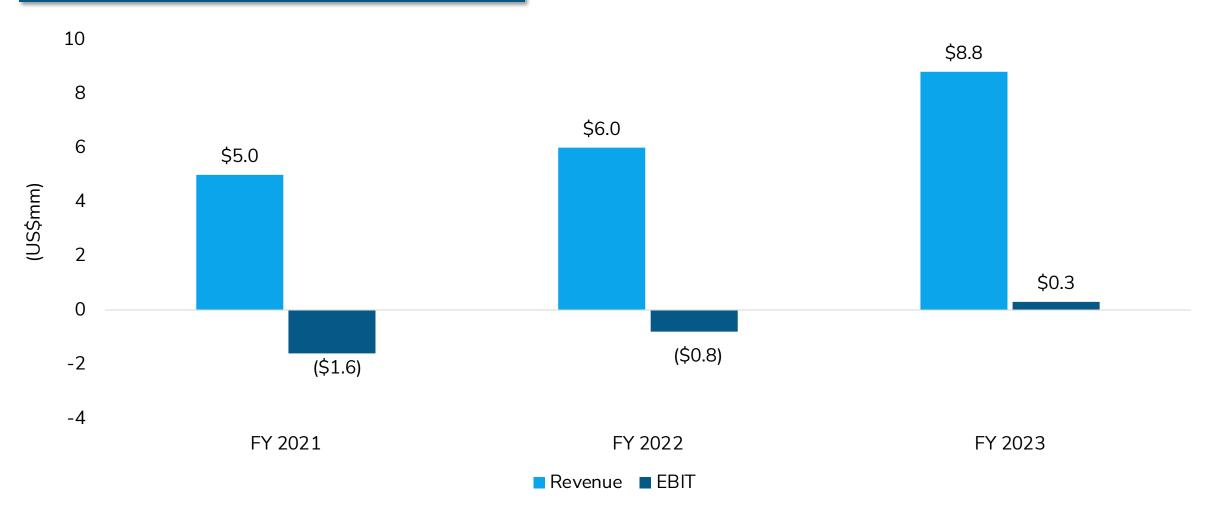


- Strategic alliance with large Fortune 500 companies
- New market positioning in both private and public sectors
- Target highly labor-intensive industry sectors: janitorial, healthcare, food service, senior living, and hospitality
- Al core: Building blocks of Al & machine learning deployments
- Natural language technology: Analysis and interpretation of human communications
- Smart cloud platform: Software and services that enable deployment across all verticals to automate business processes
- Implement ERP program across all manufacturing sites
- Focus on design and further strengthen OEM partnerships
- Streamline and improve end to end efficiency, quality, communication
- Launch dual sourcing strategy for critical components
- Establish supplier chain deployment plan, inventory planning, and the coordination of assets to optimize delivery of goods, services and reduce cost

## **FINANCIALS**



#### Fiscal Year Revenue (USD In Million)



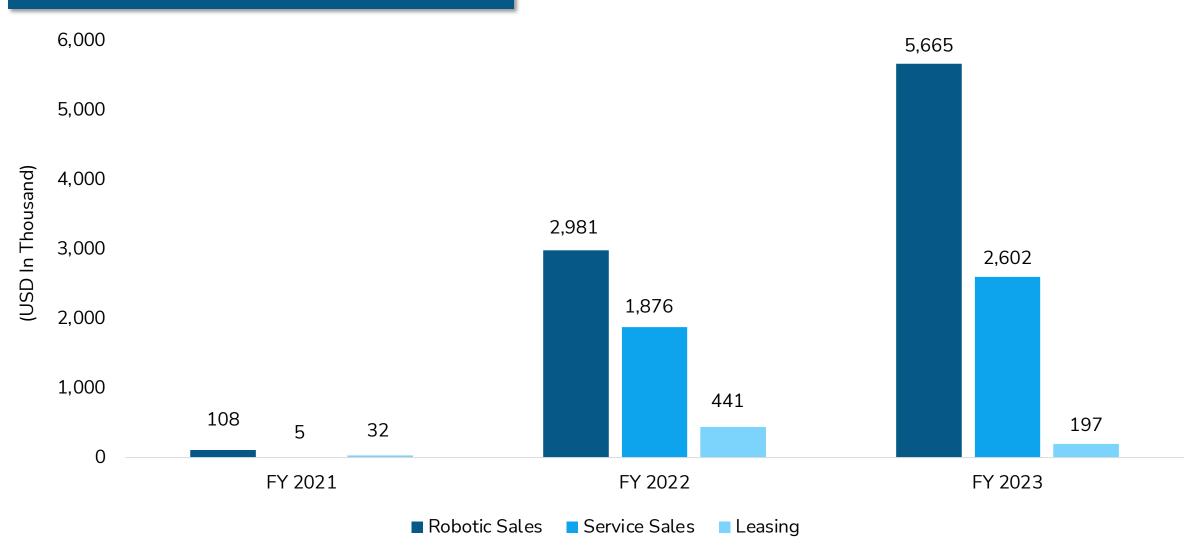
#### NOTE:

1. Fiscal year ends at Sept 30. e.g. FY 2021 is from Oct 1, 2020, to Sept 30, 2021

## **REVENUE BREAKDOWN**



#### Robotics Revenue (USD In Thousand)



## **USE OF CAPITAL**



#### (USD In Million)

Application		Funding Amount
R&D	Approximately 35% of the proceeds will be allocated to research and development, with a particular focus on developing and optimizing robots for various vertical applications. This includes gaining a deep understanding of the workflows and processes of different industries in order to improve and upgrade traditional methods through the integration of robotics. Our efforts will also include the development of cloud platforms, the integration and advancement of artificial intelligence, and the exploration of more efficient ways to scale up production	\$3.5m
Supply Chain, Inventory and deployment	Approximately 25% of the proceeds will be used to invest in inventory in order to accelerate product delivery	\$3.5m
Marketing and Promotion	Approximately 25% of the proceeds will be dedicated to marketing and promotion, including promoting our robot products in the domestic U.S. market, as well as the franchise plan for our robot bubble tea shops. We also plan to expand into the European and Southeast Asian markets	\$1m
Working Capital	Approximately 15% of the proceeds will be used to supplement working capital	\$2m
Total Financing		\$10m

## **POST-IPO CAPITALIZATION**



Security	Outstanding As of IPO
Class A	44,353,846
Class B	18,065,563
Class B Warrants	107,128



### **MANAGEMENT TEAM**





Wayne Huang CEO

A natural born inventor and innovator, Wayne has over 20 years of experience in computer vision-based technology development management and product design. Wayne holds a number of product patents and has several pending, in fields from facial recognition to touchless interface.



Phil Zheng

Phil serves as Chief Operations Officer at Richtech, overseeing Sales, Operations, and Customer Success.

Phil holds a BA from UCLA and a JD from UC Irvine School of Law.



Matt Casella President

With over two decades of diverse business experience, Matt's expertise lies in strategically executing technology-forward solutions, driving growth, and ensuring financial accountability. As President of Richtech, Matt oversees corporate strategy, including the expansion of our robotic restaurants and financing activities, as well as investor relations.



Michael Huang CFO

As cofounder of Richtech, Michael oversees the planning, development, and execution of our product line.

Michael is also responsible for supply chain management, coordinating with the R&D and product management teams.

### INDEPENDENT DIRECTORS





John Shigley

John is a retired Nevada certified public accountant with over 30 years of executive experience in large casino-hotels. John has held various positions in finance, marketing and operations, including Chief Financial Officer of Primadonna Resorts. President of Caesars Palace. **Executive Vice President of New** York, New York Las Vegas, Executive Vice President and Chief Financial Officer of MGM Grand Hotel Las Vegas, President of MGM Vietnam and Chief Operating Officer of Gaming for MGM China.



Stephen Markscheid

Stephen is Aerion Capital's Managing Principal, and independent non-executive director for prominent public firms like Fanhua, Jinko Solar, Kingwisoft, Monterey Capital. A GE Capital veteran, he propelled business development in Asia Pacific. Steve holds degrees from Princeton, Johns Hopkins, and Columbia.



Saul Factor

As president of Factor Healthcare
Consulting, Saul is a strategic global
healthcare and pharma executive
with a track record of translating
vision into innovative strategies.
Collaborative leader skilled in highlevel negotiations, trusted
relationships, and achieving
impressive financial and operational
outcomes. A driving force in
reshaping industry standards.

## **ADVISORY BOARD MEMBERS**





Michael J. Roberts

Michael served as the President and Chief Operating Officer of McDonald's Corporation from 2004 to 2006, as the Chief Executive Officer of McDonald's USA during 2004, and, prior to those roles, held various senior-level positions at McDonald's USA from 2001 to 2004.



Dr. Darryl T. Jenkins

Darryl is CEO of DLJ Consulting Group with over 30 years' experience in corporate leadership, strategic planning, information technology, and organizational development with leading Fortune 500 companies. He serves as Chairman of the Board of Judson University, a professor and is business advisor to corporate and nonprofit clients.



**Yman Vien** 

Yman, a Chinese American leader from Vietnam, is a business consultant and financial advisor with 29 years of banking experience. Recognized by the American Bankers Association, she now serves as a Business Banker at Lakeside Bank and has a history of philanthropic involvement as a trustee and treasurer for Ravenswood Health Care Foundation.



Dr. Lingyun Gu

Lingyun graduated from the School of Computer Science at Carnegie Mellon University with a Ph.D. degree and has dedicated 25 years to the field of artificial intelligence. She has obtained nearly 190 patents and software copyrights in China and the United States and has published over 20 academic papers.

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## **HAVE YOU HEARD ABOUT US?**



