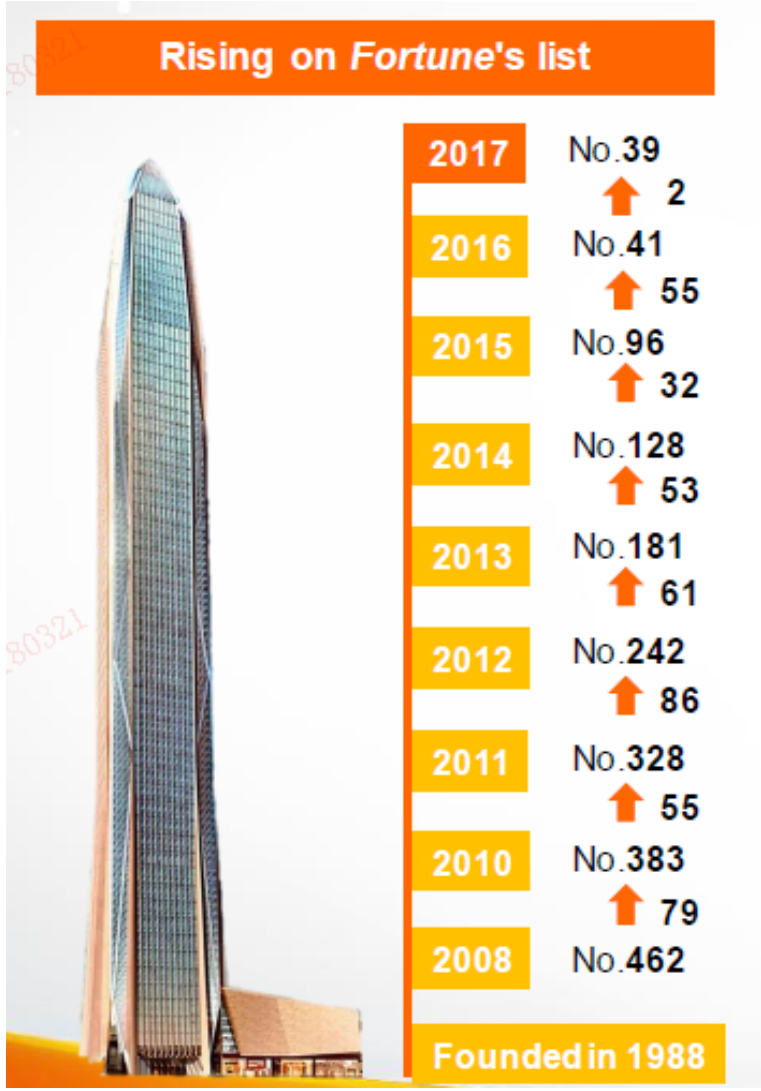
中国平安 PING AN
保险 · 银行 · 投资

Hands on our Dream & Minds on the World

—Ping An Technology2018
Campus recruiting

Introduction of Ping An Group

Ping An, A courageous innovator and industry reform leader



Widely Hornerd

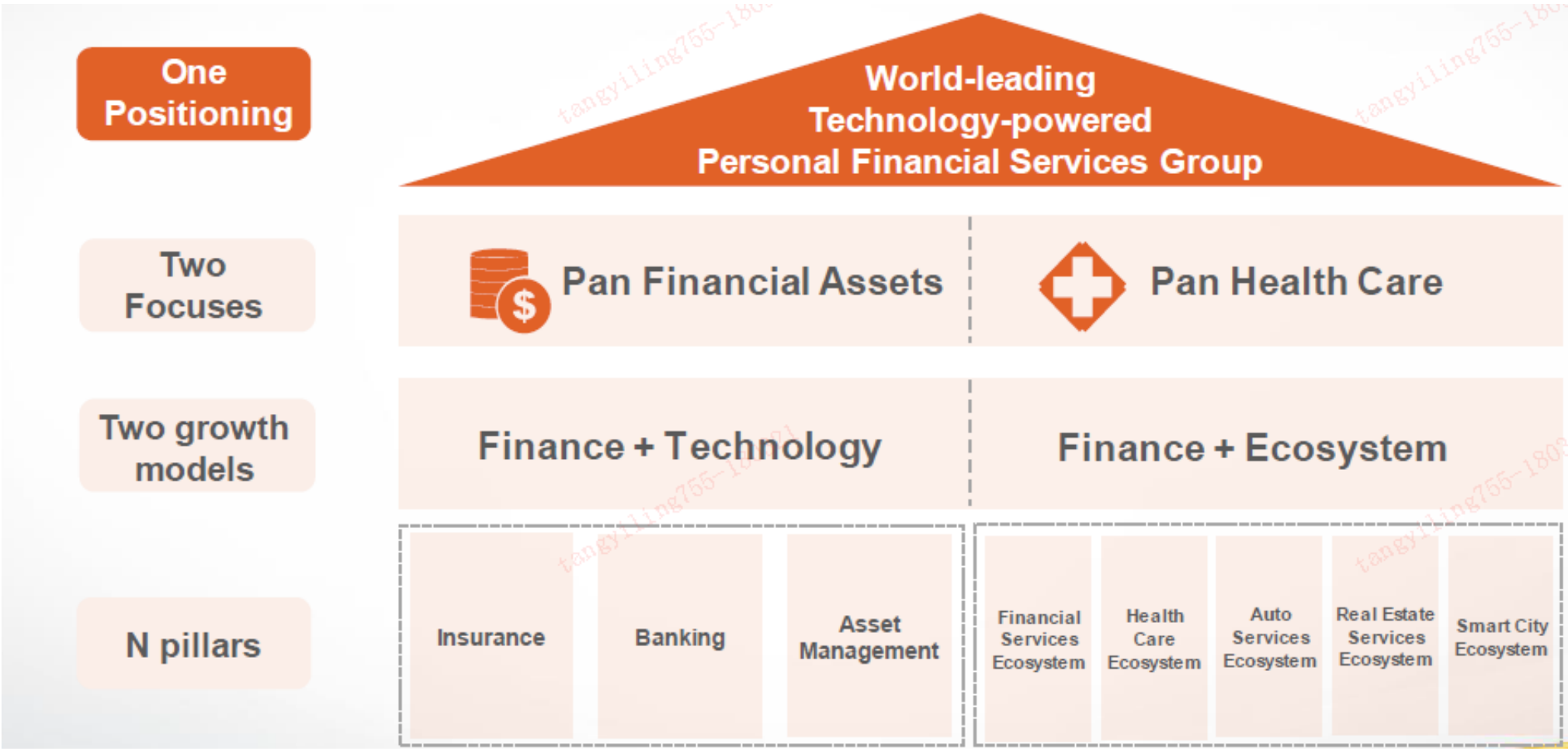
- No. 16 on the "Forbes Global 2000" list, No. 1 amoung insurance conglomerates across the world, and No. 1 among Chinese insurers.

- No. 79 on the "Brand Finance Global 500 2017" list
- No. 1 on the "Brand Finance Insurance 100 2017" list

- No. 61 on the "BrandZ Top 100 Most Valuable Global Brands 2017" list
- No. 8 on the "BrandZ Top 100 Most Valuable Chinese Brands 2017" list, No. 1 among Chinese Insurance brands and one of the top 3 Chinese financial brands

- No. 6 on Interbrand's "Best China Brands 2017" list, and No.1 among Chinese Insurance Brands

Ping An's strategy: A world-leading Technology –powered Personal Financial Services Group



Ping An's technology-powered business transformation

One of the largest big data platforms among Chinese financial institutions

In financial services: Ping An has over **40 million** auto insurance customers and over **1,000 million** claim photos.
In health care: Ping An provides social health insurance services for **800 million** people in **over 200** cities.

Ping An has established a 24/7 actively perceiving security system

Ping An has built a robust information security governance and management framework.
Ping An protects customers and itself by effectively preventing malicious attacks and frauds.

Ping An has successfully applied blockchain to actual financial and health care scenarios

Ping An has built **over 17,000** blockchain nodes for SMEs.

Comprehensive scenarios of AI applications

Our face recognition technology has an accuracy rate of 99.8%.
Our voiceprint recognition technology has a text-dependent accuracy rate of 99.7%.
Ping An has achieved precision rates of over 90% and 92% in prediction of influenza and chronic obstructive pulmonary disease respectively.

Ping An Cloud hosts the trillion-yuan core business of Ping An

Business systems can be deployed **within minutes**.
Ping An Cloud is serving **415** banks and **14** insurance companies.
Ping An Cloud has received **eight** authoritative certifications.

22,000+ R&D staff members

3,030 patent applications

Ping An's "AI+" Transformation

Ping An “AI+” Success Factors

Comprehensive Scenario

All Licenses
Integrated finance company

30 Years
Financial industry experience

400+
AI application scenarios

Advanced Algorithm

99.84%
Facial recognation accuracy

99%+
Voiceprint recognition accuracy

400+
Technology patents

Efficient Platform

8
Data centres

Deep Learning
Cloud platform

Million+ Samples/s
Parallel computing speed

Big Data

Finance data

Healthcare data

Call centre data

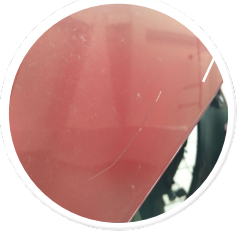
Remarkable achievements of Ping An “AI+”

-Intelligient Auto Vehicle Picture Estimating System

Distortion free

Abrasion

Half-painted
Fully-painted



Scratch

Half-painted
Fully-painted

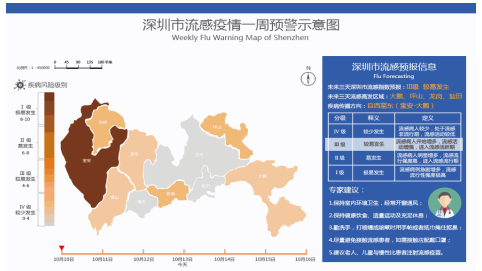
Repairable distortion

No repair value

Remarkable achievements of Ping An “AI+”

-Intelligeint disease prediction models

Intelligient Influenza Prediction Model

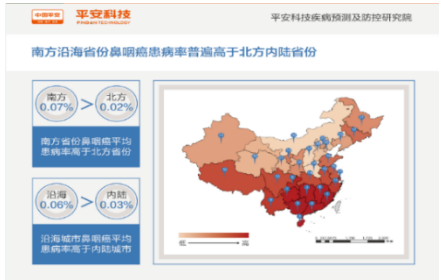


Risk level alert
Display regional disease heat map based on LBS information

Advice & Action
Provide expert knowledge + disease prevention advice

Outbreak trend prediction
Predict outbreaks possibility on various dimensions

Chronic Disease Predition Model



Integrate city+entreprice data

Can predict 45+ types of chronic disease morbidity

Accuracy over 80%
Save 50%+treatment expense

Intelligient Medical Image Analysis Model

Identify lesions automatically

Recognize various medical image format
Including CT, X-ray and pathological section image

Recognize various diseases
Serve 4 clinical departments’medical image analysis

Application Scenario

Public Health Decision support

Diagnosis Asistant

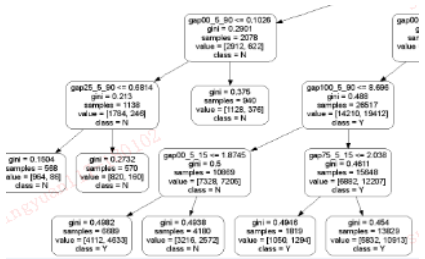
Achieved World 1st in Lung Nodule Analysis (LUNA) Competition

Remarkable achievements of Ping An “AI+”

-Smart Customs Solutions

Check Rule Optimization

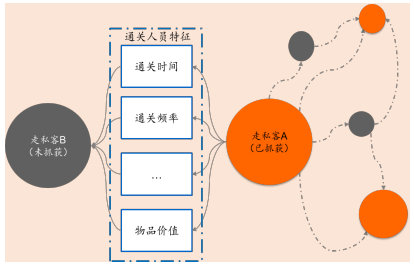
Using data mining to build the model with historical data and identifying new feature combinations by GBDT model



Ditection accuracy increases from 6.8% to 27%

Companion Analysis

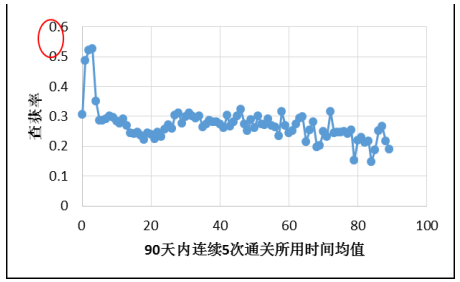
Deep-mining exploring patterns of travelers, constructing the social network of smuggling ring, and targeting the suspect via accomplices



Detection Accuracy increases additional 17.1%

High Frequency Travelers Analysis

Improving traveler profiling to distinguish smugglers and business travelers who appear to have a lot of features in common.



Effectively separating the smugglers and ordinary travelers

Application Scenario

- **Customs Clearance**
- **Public Security**
- **Public Resources Arrangement**

Remarkable achievements of Ping An "AI+"

-Euler Graph

Euler Graph can provide supply/industrial chain solution in risk control, investment analysis and marketing

Application

Comprehensive Coverage on Needs for Financial Risk Control in Import and Export Business

Risk Control		Merge & Acquisition	Overseas Investment		Public Policy Research
Post-Loan/ Investment Monitor	Client Service Management Tool	Enterprise Risk Grading System	Credit Approval Investigation	Procurement Policy Compliance Examination	Industrial Chain Investment Research Report

Model

NLP + Image Analytics Technology
Relation Inference Model
Entity Recognition Model

Incident Recognition → Entity Recognition → Connection Extraction → Connection Detection → Knowledge Graph

Data

Full Industrial & Commercial Dataset

Fundamental NLP：Cleansing、Removing Replication、Filtering Importance

- Industrial & Commercial Data
- Financial & Economic News
- IPO Announcement
- Legal Documents
- Social Media

Remarkable achievements of Ping An "AI+"

-Desktop Asistant Robot

Key Ability

- Business Platform Advantage
- Intelligent IoT
- Reinforcement Learning Engine
- Multimodal Identity Recognition

Application Filed

- Finance – Intelligent Service Assistant
- Business – Info Inquiry Assistant
- Public Service – Monitor & Warning Assistant

Practical Value

- Build BI Store
- Improve Client Service Experience
- Reduce 25% Operation Cost

"Aide"
Desktop Assistant Robot

2 Major Features

Business Expert System

- Hundreds of Millions User Data Within Ping An Group
- Hundreds of Tech Patents
- Over 95% Comprehension Rate of Business Intention

+

Recording + Videoing

- Face Tracking & Noise Reduction
- Speech – Text Real-time Transformation
- Privacy Alert & Risk Warning
- Business Recognition & Distributed Storage

Who are we looking for

Structure of Ping An Technology Research Lab

Ping An Group

Ping An Technology Research Lab

Research Lab (China)

Research Lab (U.S)

Collaboration Partners
(Joint projects/Scholarship)

Silicon Vally	New York
U.C Berkely	MIT
Google	CMU
Microsoft	NIH

Research Area

Fin-Tech	AI+Healthcare	Smart City	Key Technology Study
Robotic Trading/Investment	Medical Image Recognation	Intelligent Security	NLP
Biometrics Recognization Study	Disease Prediction Lab	Environmental Monitoring	Image Recognation
Behavior/PsychologyStudy	Medical Knowledge Map	Disaster Early Warning	Voiceprint Recognation

International & Domestic Academy Collaboration Projects and Joint Laboratories of Ping An Technology Research Lab

1 Intelligent Perception

Voiceprint Recognition
MIT (Massachusetts Institute of Technology)

Speech Recognition
CAS (Chinese Academy of Sciences)

Medical Image Recognition
NIH (National Institutes of Health)

2 Intelligent Cognition

Intelligent Speech Recognition
Institute of Automation, CAS

Intelligent Disease Forecasting
Tsinghua University

3 Intelligent Computation

Graph Computation& Big Data
Huazhong University of Science and Technology

Intelligent Customer Service
Peking University

4 Intelligent Application

Quantitative Investment
Singapore Management University

Health Care& Senior Care
Tianjin University, Zhejiang University

Introduction of Ping An Technology U.S Research Lab

West Research Lab | **East Research Lab**

Combine regional advantages and research focuses

	West Research Lab	East Research Lab
	Silicon Valley **Global Innovation Centre**	**Boston/New York (*Under Planning*)** **Global Finance&Healthcare Centre**
Research Focuses	**Innovative Technology R&D and Incubation** • Technology innovation such as biometrics recognition and disaster early warning • R&D/inport global leading original technologies • Provide an incubator embeded in Ping An business	**Finance/Healthcare Busienss Study** • Fin-Tech such as robotic trading/investment, quatitative analysis, asset management, etc. • Healthcare and bio-tech research such as cancer research
Collaborations	• Company：NVIDIA、Ayasdi、Arterys、Enlitic、Microsoft • University/Institution：Berkeley、Stanford、Caltech	• Company：Kensho、Fidelity labs 、Flatiron Health • University/Institution：Harvard、MIT、CMU、NIH、Johns Hopkins

Oppertunities of Ping An Technology U.S Research Lab

Job Position	Job Description	Job Requirement	Location
Research scientist（All levels）	Research and development, deep learning modeling, data mining	1.Machine Learning R & D in the fields of fintech, health-tech, video processing and smart city applications 2.Outstanding background in machine learning technology or knowledge in meidical, Finance and video understanding 3.Proficient in development tools 4.Master or Ph.D. degree in related majors	Silicon Valley Shenzhen Shanghai Beijing
Research Intern(3-6 Month)	Research and development, deep learning modeling, data mining	1.CS/Statistics/Applied Math,Master/PhD student 2.Familiar with at least one programming languages 3.Familiar with Machine Learning	Silicon Valley
Software Engineer (All Levels)		1.CS/STEM Background with Master/PhD Degrees 2.Familiar with Big Data or distributed system and have hands-on development experience 3.Expertise at at least one programming languages 4.Basic Machine Learning Experience.	

Application Process

1 Resume Submission

- Please submit your resume to: hong.zhao11@pactera.com

2 Hiring Decision

- Interviewees will receive the final result in 1-2 weeks.

Q&A

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Thank you!

LinkedIn:
平安科技（深圳）有限公司

WeChat:
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